



Wiring Diagrams

**for Mobile, RV and
AUX GenSets**

To be used *ONLY* by

Distributor
Service Organization

or

Distributor/Dealer

WIRING DIAGRAMS FOR MOBILE ELECTRIC GENERATING SETS

All the wiring diagrams in this manual apply to Onan electric generator sets used in RV, AUX, or other special Mobile applications. When using the diagrams, remember that all components are shown in their de-energized position unless otherwise noted. Find the model in question in the left hand column (which matches the generator set nameplate), then look to the right for the applicable wiring diagram number and the page where it is located. For detailed service information, refer to the Master Service Manual for the respective unit, the RV Training Manual (932-0402) and the Controls Training Manual (932-0406).

MODEL NUMBER AND SPEC LETTER	WIRING DIAGRAM	SEE PAGE
2.5AJ-1E/6000K	605-0110	8
2.5AJ-1E/12006K,M	605-0110	8
2.7AJ-1R/12020K,M,N	611-1106	52
2.7AJ-1R/16010N	611-1106	52
2.7AJ-1R/16016N	611-1106	52
3.0AJ-1R/16017P,R	611-1140	61
3.0AJ-1R/16017S	611-1148	66
3.0AJ-1R/16018D,R,S	611-1148	66
2.5LK-1E/6000K,12006K,13036K,13036M	605-0110	8
2.5LK-1E/6820K,10819K	605-0083	5
2.5LK-1E/10898K	605-0107	6
205LK-1RV6000/1E,1F,1G,7060F,7193F,7740G	610-0266	12
205LK-1RV6000/1H	610-0313	14
205LK-1RV6000/7641G	610-0310	13
205LK-1RV6000/7641H	610-0320	17
2.5LK-1,2,3R/1C	610-0266	12
2.5LK-1R/6000H,6000J,8098G,8486J,8781H,8782H,9525J, 9903H,9903J,10298H,10497H,10545L, 10545J,10689J,10801J,10850J,11215J, 11426J,12000J,12006J,12820J,13646J, 14185J,14185L	610-0315	16
2.5LK-1R/10935J	605-0108	7
2.5LK-3CR/10801J	610-0338	18
2.5LK-3CR/10850J	610-0314	15
2.5LK-3CR/12000M,1L	610-0350	19
4.0BF-1R/9000A,14122A	611-1094	51
4.0BF-1R/9000B,9000C	611-1109	53
4.0BF-1R/9500A	611-1094	51
4.0BF-1R/15203B,15203C	611-1121	54
4.0BF-3CR/16000A,16002A	611-1123	55
4.0BF-3CR/16000B,16002B,16004B	611-1127	56
4.0BF-8R/16000B,17389B,20793B	611-1127	56
4.0BFA-1R/16000A,16004A	611-1135	59
4.0BFA-1R/16004B,16004C,16004D,16012C,17389C	611-1146	64
4.0BFA-1R/16015B,16015C,16020B,16020C	611-1147	65
4.0BFA-1R/16019A,16020A	611-1138	60
4.0BFA-3CR/15000C,20275A,20275C,22353C,22593C, 25206C,25505C,26651C,27014C, 27318C,27919C,26805C	611-1142	63
4.0BFA-5DR/22540C,22541C	606-0205	9

MODEL NUMBER AND SPEC LETTER
WIRING DIAGRAM
SEE PAGE
RV Gasoline (Continued)

4.0BGE-1R/26100A,26100B,26100C,26101A,26101B,26101C, 26102A,26109A,26109B,26109C,28202C	611-1174	76
4.0BGEL-1R/26110A,26110B,26111A,26111B,26112A	611-1174	76
5.0BGA-3CR/16000A	611-1135	59
5.0BGA-3CR/16019A,16020A	611-1138	60
5.0BGA-3CR/16004B,16004C	611-1146	64
5.0BGA-3CR/16015B,16015C,16020B,16020C	611-1147	65
4.0BGD-FB/1932A,7512A,30503A,30504A	611-1182	79
4.0BGE-1R/26100D,26100E,26101D,26101E,26109E	611-1174	76
4.0BGE-1R/26100F,26101F,26109F	611-1180	78
4.7BGE-1R/26100A,26101A	611-1174	76
4.0BGE-3CR/28202C,28202E,30981E	611-1176	77
4.0BGEL-1R/26110D,26111B,26111D	611-1174	76
5.0BGM-FA/26105A	611-1186	81
4.0CCK-**R/1J	611-0236	23
4.0CCK-1R/1J through 23J,1681J,6000J,7723J,8010J,8782J	611-0914	30
4.0CCK-1R/6000N,6000P,8643P,9290N,9525N,9525P,9625N 10108N,10108P,10298P,11411P,11497P	611-1035	36
4.0CCK-1R/8216J,8444J,9633P,9638N	611-1002	35
4.0CCK-1R/8793J,9470P,9620N,9840N,10476N,10476P, 11191P,11586P,11673P,11852P	611-1036	37
4.0CCK-1R/8815J	611-1039	39
4.0CCK-1R/9403J,10156J,10729J	611-1049	41
4.0CCK-1R/9381N	611-1054	44
4.0CCK-3R/6000J	611-0839	27
4.0CCK-3R/6000P,9381N,9381P	611-1067	46
4.0CCK-3CR/6000J	611-0975	34
4.0CCK-3CR/6000P,9525P	611-1035	36
4.0CCK-3CR/6000R,9525R,11693R,11721R,12000R,12019R, 12273R,12276R,13290R,14608R,16557R	611-1086	50
4.0CCK-3CR/17389U	611-1127	56
4.0CCK-3CR/15000U,16000U,16004U,20887U,21378U, 22650U,23659U,24044U	611-1142	63
5.0CCK-1R/1A	611-0176	22
5.0CCK-2R/1A	611-0176	22
5.0CCK-1RV6000/1J,5360J,6000J,7036J,7036P,1681J,12J	611-0914	30
5.0CCK-1RV6000/13J	611-0957	32
5.0CCK-1R/8216J,8444J,9469J,9633N	611-1002	35
5.0CCK-1R/6000N,6000P,8643P,8686P,8779J,9290N,9525N, 9525P,9625N,9641N,9701N,10108P, 10476N,10476P,10883P,11040P,11479P	611-1035	36
5.0CCK-1R/8815J	611-1039	39
5.0CCK-1R/9403J	611-1049	41
5.0CCK-1R/9470N,9470P,9620N,11191P,11852P,12015P	611-1036	37
5.0CCK-3RV/4262J,4262F,5662J	611-0676	24
5.0CCK-3RV/5121J	611-0786	25
5.0CCK-3RV/5222J	611-0801	26
5.0CCK-3RV/5605J	611-0164	21
5.0CCK-3RV/5262J	611-0871	28
5.0CCK-3CRV6000/1J,5360J	611-0839	27
5.0CCK-3CRV6000/12J	611-0975	34
5.0CCK-3RV6000/13J	611-0963	33
5.0CCK-3RV6206J,7823J	611-0902	29

MODEL NUMBER AND SPEC LETTER

RV Gasoline (Continued)

WIRING DIAGRAM

SEE PAGE

5.0CCK-3CR/6000R,10108R,11979R,12000R,12019R,12233R, 12276R,13040R,14618R,14780R,16437R, 16557R,16778R	611-1086	50
5.0CCK-3CR/9329J,9494N	611-1047	40
5.0CCK-3CR/9403J	611-1061	45
5.0CCK-3CR/9433J,9433N	611-1050	42
5.0CCK-3CR/8793J,9525N,9620N	611-1036	37
5.0CCK-3CR/1U,2U,3U,15000U,20508U,21378U,23034U	611-1142	63
5.0CCK-4R/18089U,16000U,17386U,17789U	611-1127	56
5.0CCK-4R/23969U	611-1142	63
5.0CCK-5DR/12018R,12233R	611-1086	50
5.0CCK-5DR/17233U	611-1127	56
6.0CCKB-3R/6000B,7821B,8327B	611-0955	31
6.0CCKB-3R/6000C,6000D,7821C,7821D,8327C,8779B,9525C, 9525D,9525E,10339C,11544D,12000D, 12000E	611-1037	38
7.5DKD-FJ/27798C,27799C	AC 612-6184	82
7.5DKD-FJ/27798C,27799C	DC 612-6353	83
8.0DKD-3CR/29686B	AC 612-6442	85
8.0DKD-3CR/29686B	DC 612-6441	84
8.0DKD-FJ/29686C,32448C	AC 612-6442	85
8.0DKD-FJ/29686C,32448C	DC 612-6441	84
15.0DL3-J/30437A,30438A	AC 612-6460	86
15.0DL3-J/30437A,30438A	DC 612-6442	85
2.2KV-FA/26100A	610-0375	20
2.8KV-FA/26100A	610-0375	20
6.0NH-1R/9000A,9500A	611-1094	51
6.0NH-1R/9000E,9000G,9000H	611-1109	53
6.5NH-3CE/10000D,21880L	606-0215	11
6.5NH-3CE/16375D,16777D	606-0209	10
6.5NH-3CR/6000A,10005A	611-1052	43
6.5NH-3CR/6000B,6000C,8686C,10005C,10182C,10621C, 11590C,11632C,11845C	611-1079	48
6.5NH-3CR/10250A	611-1076	47
6.5NH-3CR/10760C	611-1080	49
6.5NH-3CR/1D,9D,12D,13D,14D,6000D,12000D,12230D, 12894D,15336D	611-1086	50
6.5NH-3CR/15000D,15000L,18768L,19701L,23033L, 23034L,25051P	611-1142	63
6.5NH-3CR/16000J,16002J,16004J,17789J,18629J	611-1127	56
6.5NH-3CR/16000A,16000K,16004K	611-1135	36
6.5NH-3CR/16004M,16004N,16004P,16013P,26785P	611-1146	64
6.5NH-3CR/16019K,16020K,20909K	611-1138	60
6.5NH-3CR/16020M,16020N,16020P	611-1147	65
6.5NH-3CR/17198D,18105D,18106D	611-1134	58
6.3NHEL-1R/26110D,26111D	611-1174	76
6.5NHEL-1R/26110C,26111C	611-1174	76
6.5NHE-1R/26100C	611-1174	76
6.5NHE-1R/26100D,26100E,26101D	611-1180	78
6.5NHE-FA/26101E	611-1180	78
6.5NHE-3CR/30982C,30983C	611-1176	77

MODEL NUMBER AND SPEC LETTER**WIRING DIAGRAM****SEE PAGE****RV Gasoline (Continued)**

6.3NHL-3CR/16013P	611-1167	73
6.3NHL-3CR/16014P	611-1169	74
6.3NHEL-1R/26110A,26111A	611-1174	76
6.5NHE-1R/26100A,26101A	611-1174	76

AUX Sets

4.0BFA-1R/23000C,23001C,23003C,23004C	611-1160	69
6.5NH-3CR/23000P,23001P,23002P,23003P,23004P	611-1160	69
3.0RDJA-1R/23001U	611-1163	70
4.0DKC-3CR/23006B ¹ ,23007B ²	AC 612-6184	82
7.5DKD-3R/23008B,23009B	AC 612-6184	82
7.5DKD-3R/23008B,23009B	DC 612-6353	83
7.5DKD-3CR/23006B ¹ ,23007B ²	DC 612-6353	83
7.5DKD-5DR/23006B	AC 612-6184	82
7.5DKD-5DR/23006B	DC 612-6353	83
7.5DKD-FB/23006C,23007C,23008C,23009C	AC 612-6184	82
7.5DKD-FB/23006C,23007C,23008C,23009C	DC 612-6353	83

Diesel RV Sets

7.5DKD-3CR/27798A ¹ ,27798B ²	AC 612-6184	82
7.5DKD-3CR/27799A ¹ ,27799B ²	DC 612-6353	83
7.5DKD-FJ/27798C,27799C	AC 612-6184	82
7.5DKD-FJ/27798C,27799C	DC 612-6353	83
8.0DKD-3CR/29686B	AC 612-6442	85
8.0DKD-3CR/29686B	DC 612-6441	84
8.0DKD-FJ/29686C,32448C	AC 612-6442	85
8.0DKD-FJ/29686C,32448C	DC 612-6441	84
15.0DL3-J/30437A,30438A	AC 612-6442	85
15.0DL3-J/30437A,30438A	DC 612-6460	86
12.0RDJC-3R/21680AC	612-5787	71

Mobile and Commercial Units

4.0BFA-5DR/29309D (Time Manufacturing)	611-1142	63
4.5BGD-FB/1A,30502A	611-1182	79
4.5BGD-FD/1A,30502A	611-1184	80
6.5NH-5DR/26725P (Gen Cable)	611-1170	75
6.3NHD-FB/1932A,1932B,7512A,7512B,30503A,30503B, 30504A,30504B	611-1182	79
6.5NHD-FB/1A,1B,30502A,30502B	611-1182	79
6.5NHD-FD/1A,1B,30502A,30502B	611-1184	80

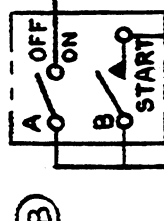
**REPLACEMENT CONTROLS FOR 300-0859 PRINTED CIRCUIT BOARD
KIT NUMBER**

300-1598 CCK,NH with Onan Choke (RV)	611-1141	62
300-1599 CCK,NH with Sisson Choke (RV)	611-1141	62
300-2026 CCK,NH with Onan Choke & Start-Disconnect for RV	611-1157	68
300-2027 CCK,NH with Sisson Choke & Start-Disconnect for RV	611-1157	68
300-1884 Standard CCK,NH with Onan Choke	611-1152	67
300-1885 Standard CCK,NH with Thermo-Magnetic Choke	611-1152	67

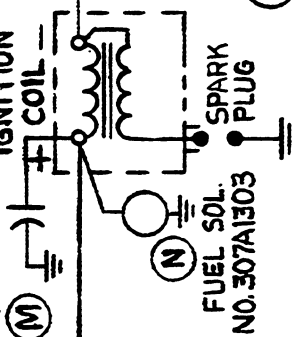
¹=STD FAN ROTATION²=REV FAN ROTATION

605A83

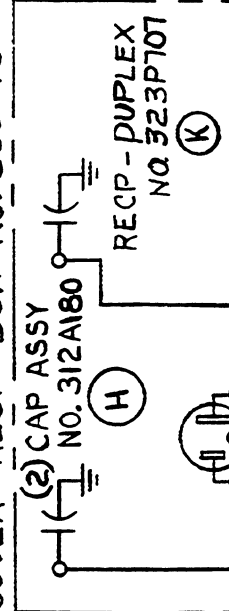
IGNITION & START
SWITCH NO. 308A140 *



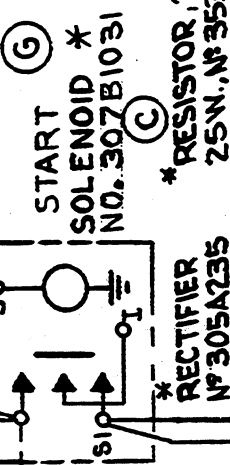
SUPPRESSION
CAPACITOR



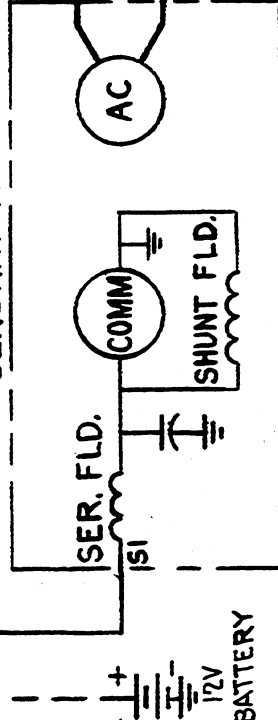
RECEPTACLE BOX NO. 330A68
COVER - RECP BOX NO. 330-16



* COMPONENTS
FURNISHED AS PART
OF 191C709



GENERATOR



NOTE: AC LEAD UNGROUNDED
IN GENERATOR

N	ADDED FUEL SOLENOID	GT	9-10-74
M	ADDED CAPACITOR	GT	12-10-71
L	ADDED 50 CY	GT	6-9-70
K	WAS 323-184	GT	4-24-70
J	ADDED DASH NO	GT	4-23-70
H	CAP ASSY WAS 312A52	GT	10-31-68
C	REVERSED RES. & RECT.	GT	8-23-68

G	WAS 307B367	GT	7-10-68
F	WAS "FURNISHED BY CUSTOMER"	GT	5-15-68
E	WAS 330A66 # 330-42	GT	5-15-68
E	RECP BOX WAS 330A67	GT	3-8-68
A	WAS 105AJ-1EV/6820K	GT	2-23-68
D	ADDED RECP BOX & PARTS	GT	2-13-68
C	ADDED RES. & RECT.	GT	12-5-67
B	REV. IGNITION & START SW.	GT	12-5-67
A	WAS 205AJ-1EV/6541K	GT	12-5-67
LET.	REVISIONS	ENG	CKR
		DATE	

Ongn

DIVISION OF STUDEBAKER INDUSTRIES, INC.
Minneapolis, Minnesota

DATE	10-24-67	DR.	CDR	ENGR.	G.F.T.	CKR.	WJB	SC.	~
NAME	WIRING DIAGRAM								
MODEL	205AJ-1EV/6820K								
	ENG. - GEN. CONTROL								
	DWG. NO.								
	605A83								

120 V., 1 PH.,
2 W., 50/60 CY.

605-107

9/28

A

REMOTE IGN' & START
SWITCH NO. 308A140 REF

IGNITION & START *

A OFF ON
B START

POS. 1 A & B OFF
POS. 2 A ON, B OFF
POS. 3 A ON, B ON MOMENTARY

IGNITION
+ COIL

SPARK PLUG

* COMPONENTS
FURNISHED AS PART
OF 191C 709

START
SOLENOID *

NO. 307B1031

* RESISTOR, 25 Ω
25W, NO. 353A28

* RECTIFIER
NO. 305A235

ELECTRIC
CHOKE

GENERATOR

SER FLD

ISI

COMM

SHUNT FLD

AC

M1

M2

+

12V

BATTERY

REAR
VIEW

M1

M2


RECP-DUPLEX
NO. 323P707

(2) CAP ASSY
NO. 312A180

RECEPTACLE BOX NO. 330A68
COVER-RECP BOX NO. 330-16

BREAKER &
CAPACITOR ASSY

NOTE:
PLANT MUST BE STOPPED
BY THE SAME SWITCH THAT
WAS USED TO START IT.

DR C I P	SC	LET	REVISION	ENG CKR	DATE
CKR					
<div style="text-align: center;">  DIVISION OF ONAN CORPORATION Minneapolis, Minnesota </div>					
ENGR G. F. T. DATE 6-7-71					
CONTROL-GEN SET (WIRING DIAGRAM)					

-01 120 V, 1PH,
2 W., 50/60 CY

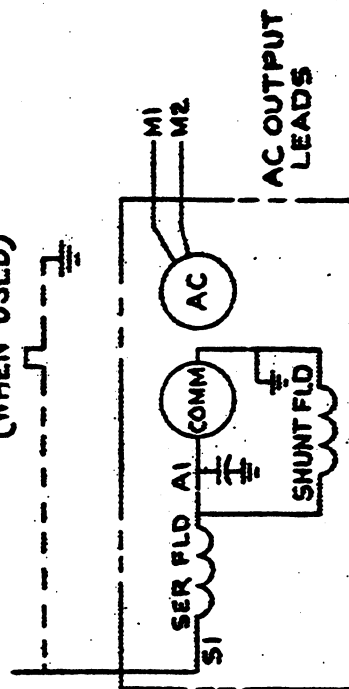
2.5AJ-1E/10898K

605-107

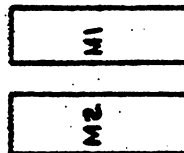
DWG
SIZE
A

605A108

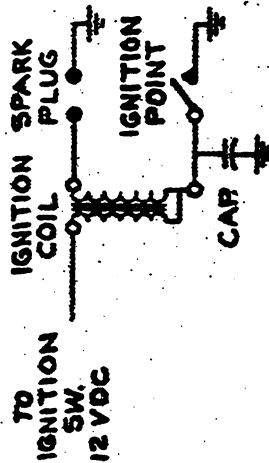
ELECTRIC CHOKE
(WHEN USED)



AC SLIP RINGS



COMM END ← → BEARING END



M2 GROUNDED AC LEAD, M1
HAS 0.1 MFD CAPACITOR TO GROUND

LET	REVISIONS	ENG	CHK	DATE
DIVISION OF STUDEBAKER INDUSTRIES, INC.				
Minneapolis, Minnesota				
DATE	6-16-71	DR	CDR	SC
NAME		ENGINE GEN SET		
(WIRING DIAGRAM)				
MODEL	2.5LK-1R/10935J			
DWG. NO.	605A108			

605A110

FUEL SOLENOID
No. 307P1219(REF)

IGNITION & START
SWITCH NO. 308A140 REF

CIRCUIT 1

POS. 1 A & B OFF
POS. 2 A ON, B OFF
POS. 3 A ON, B ON MOMENTARY

CIRCUIT 2

SUPPRESSION
CAPACITOR

SPARK PLUG

START
SOLENOID *
NO. 307B1031

RECTIFIER * 2 RESISTORS 25Ω
NP 305A235 25Ω. NP 353A28

GENERATOR

SER. FLD. (K)

COMM

SHUNT FLD.

AC

M1

M2

NOTE: AC LEADS UNGROUNDED IN
GENERATOR

THERMAL
ELECT.
CHOKE

REAR VIEW

* COMPONENTS
FURNISHED AS PART
OF 191C901

CUSTOMER TO
CONNECT LOAD
WIRES & CAPACITOR

LEAD
ASSY
NO. 226A1145

RECEPTACLE BOX NO. 330A68
COVER - BOX NO. 330-4

GAS. OR GASO.
VALVE

308P97
REF

IGNITION
COIL

BREAKER &
CAPACITOR ASSY

309P237
REF

LOW OIL
PRESS

CAP ASSY
NO. 312A195

REVISIONS

REV.	DESCRIPTION	DATE
K	REMOVED CAP. FROM GEN.	9-13-73
J	WAS GAS. VALVE * 307A1102	8-2-73
I	ADDED GAS. VALVE	7-11-73
H	ADDED 307P1219	6-30-73
G	ADDED * TO 308P97	6-14-73
F	ADDED 2.5AJ-1E/12006K	9-21-72
E	WAS (2) 312A180	9-21-72
D	ADDED 226A1145	9-21-72
C	ADDED THERMAL CHOKE	2-29-72
B	ADDED CAPACITOR	12-10-71
A	LOP SW WAS BEFORE MOM SW	12-8-71

DATE 9-29-71

NAME

CDR

ENG. - GEN. CONTROL

MODEL 2.5AJ-1E/6000K

2.5AJ-1E/12006K

120 V., 1 PH., 50/60 CY.

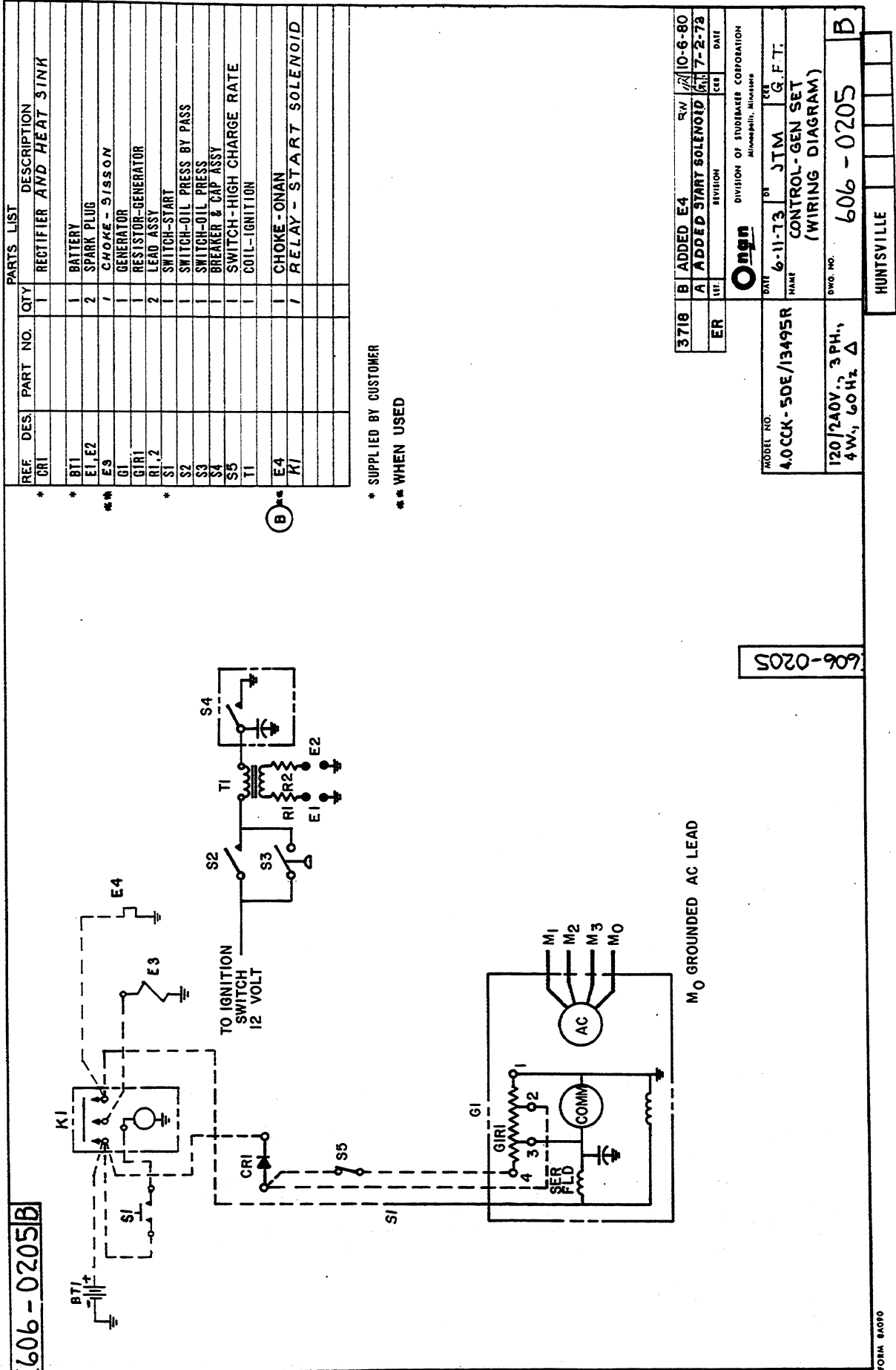
1953A28 Q7YMS1

605A110

120 V., 1 PH., 50/60 CY.

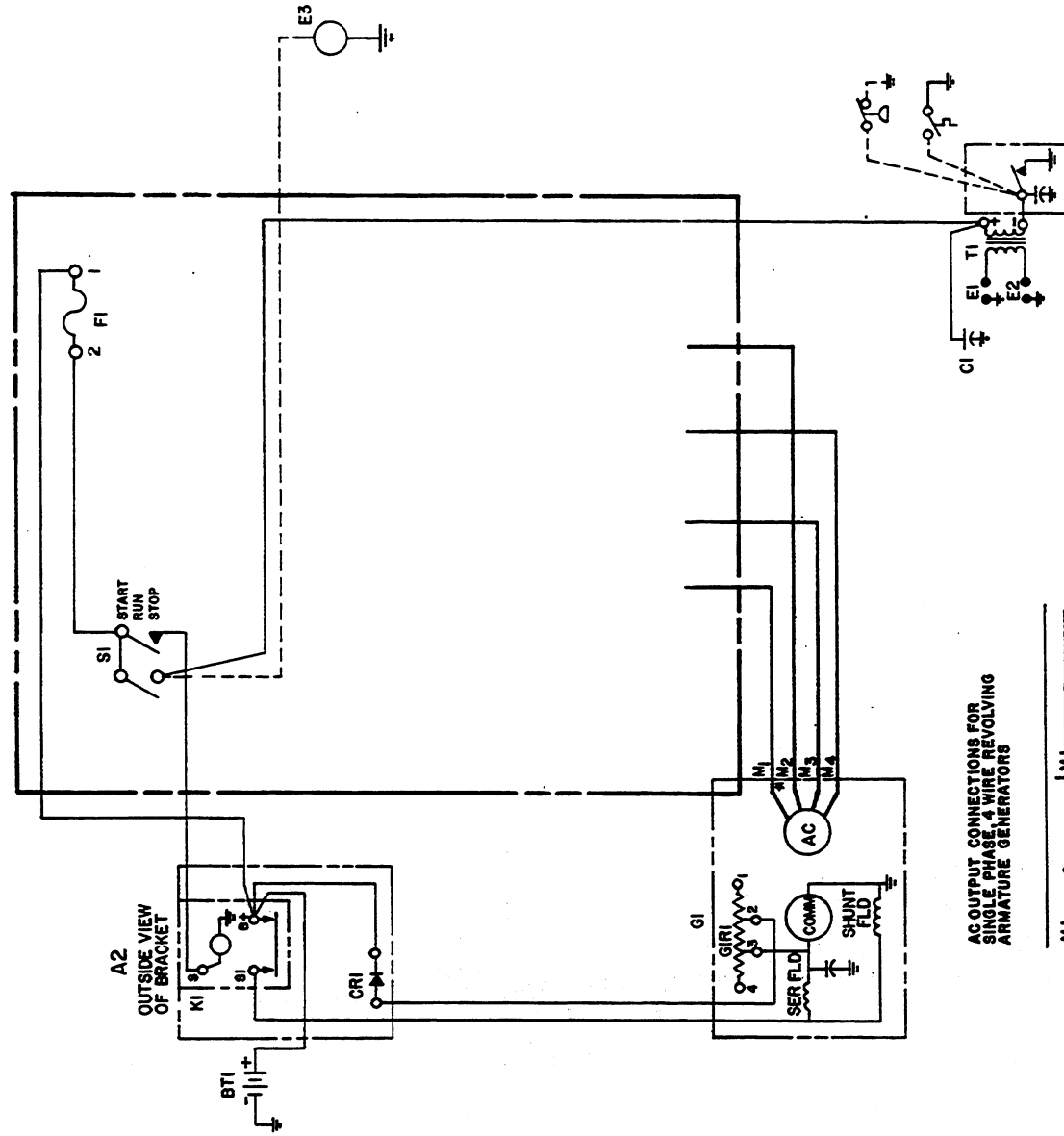
1953A28 Q7YMS1

605A110

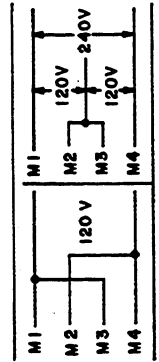


606-0215

REAR VIEW OF PANEL



AC OUTPUT CONNECTIONS FOR SINGLE PHASE 4 WIRE REVOLVING ARMATURE GENERATORS



NOTE: M2 LEAD IS INTERNALLY GROUNDED IN GENERATOR

NOTES:
1.

PARTS LIST		
REF DES	PART NO.	DESCRIPTION
A1	300-208 C	PANEL ASSY
A1	300-209 D	CONTROL ASSY
ALL PART NOS LISTED BELOW ARE REF ONLY		
CRI	357-0030 P	RECTIFIER - SILICON
KI	307-031 B	SOLENOID
SI	308-0140 A	SWITCH - TOGGLE (START RUN STOP)
WII	358-0642 B	HARNES - AC'OUT PUT
FI	321-0174 P	FUSE 5 AMP
ENG GEN PARTS LIST		
BTI	1	BATTERY
CI	1	CAPACITOR - 0.1 MFD
EI,2	2	SPARK PLUG
GI	1	GENERATOR
GIRI	1	RESISTOR - GENERATOR
S3	1	BREAKER & CAP ASSY
S4	1	HATKO
S5	1	LOPKO
TI	1	COIL - IGNITION
E3	1	ELECTRIC FUEL PUMP

606-0215

1219	1219	1219	1219	1219	1219
ER	ER	ER	ER	ER	ER
DIVISION OF CHAN CORPORATION Minneapolis, Minnesota					
10-7-79					
606-0214					
606-0215					

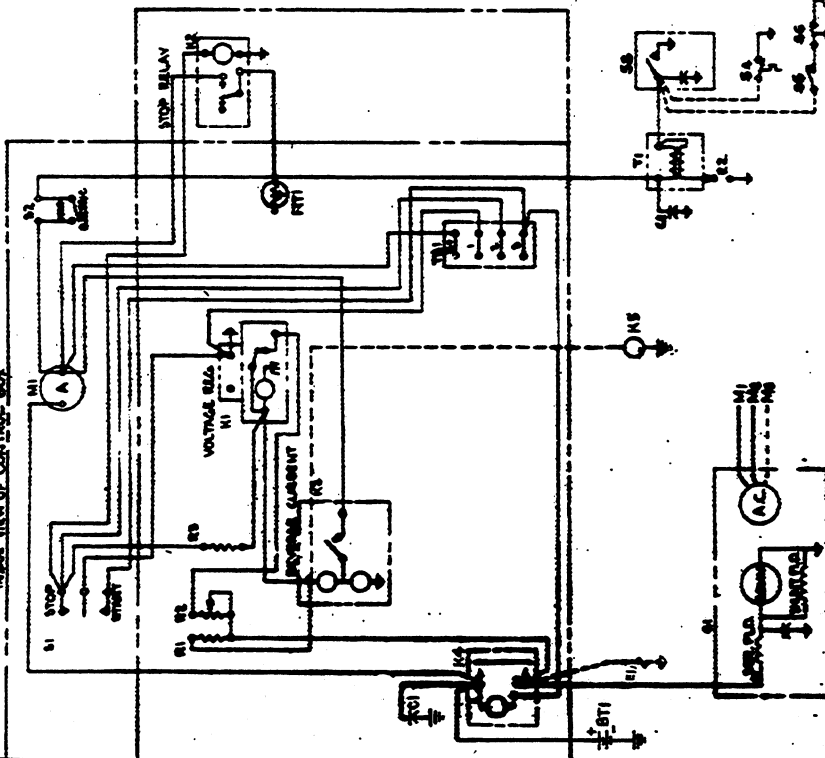
CONTROL - GEN SET
(WIRING DIAGRAM)

6.5NH-3CE/21880L

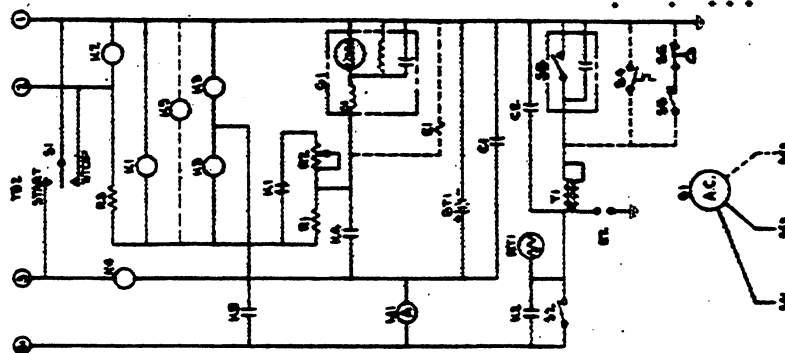
610C266

WIRING DIAGRAM

INSIDE VIEW OF CONTROL BOX



SCHEMATIC DIAGRAM



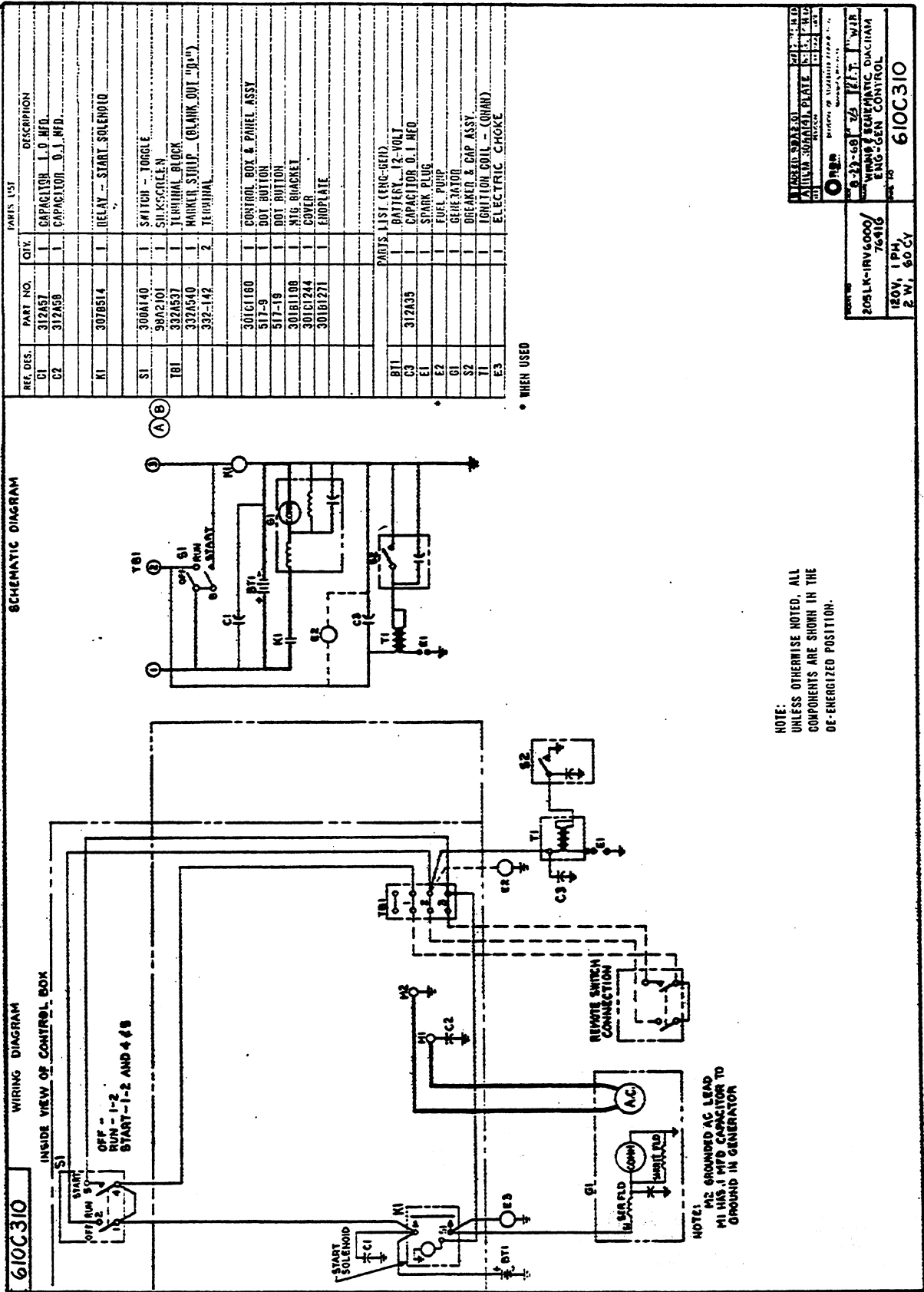
REF. DIS.	PART NO.	QTY.	DESCRIPTION
C1	312A155	1	CAPACITOR ASSY. 1.0 MFD
K1	305A1	1	RELAY - 2 STEP VOLTAGE REG
K2	307A1115	1	RELAY & LEAD ASSY. - STOP
K3	307B253 (REF)	1	RELAY - STOP
K4	307B180	1	RELAY - REVERSE CURRENT
K5	307B1046	1	RELAY - START SOLENOID
M1	302A58	1	AMMETER - CHARGE 10-10
R1	304A583	1	RESISTOR & LEAD ASSY
R2	304A244 (REF)	1	RESISTOR 1.0 25W
R3	304A175 (REF)	1	RESISTOR 0.500
S1	308B292	1	SWITCH ASSY. - RMT START
S2	308P154 (REF)	1	SWITCH - STOP START
S3	304A251 (REF)	1	RESISTOR 30 0.5W
S4	308B291	1	SWITCH & RESISTOR ASSY
S5	308P2 (REF)	1	SWITCH - HAND ELEC START
RT1	304A60 (REF)	1	RESISTOR 1.72 0.25W
TB1	332A537	1	TERMINAL BLOCK
W1	332A586	1	WARMER STRIP
W2	336A1432	1	LEAD ASSY
W3	336A1283	1	LEAD ASSY
W4	336A1430	1	LEAD ASSY
W5	336A585	1	LEAD ASSY
W6	336A1045	1	LEAD ASSY
W7	336A1431	1	LEAD ASSY
	301C1180	1	CONTROL BOX & PANEL ASSY
	301B1188	1	MTG BRACKET
	301C1244	1	COVER
	301B1211	1	ENDPLATE
	90A1812	1	SILK SCREEN
	90A1143	1	SILK SCREEN
PARTS LIST (ENG-GEN) 992C0019			
BT1	312A99 (REF)	1	BATTERY 12 VOLT
C2	312A99 (REF)	1	CAPACITOR 9.1 MFD
E1		1	ELECTRIC CHOKES
E2		1	SPARK PLUGS
G1		1	GENERATOR
H5	307B212 (REF)	1	FUEL SOLENOID
S3		1	BREAKER & CAP ASSY
S4	308A2 (REF)	1	SWITCH - HIGH AIR TEMP.
S5	308-87 (REF)	1	SWITCH
S6	308A10 (REF)	1	SWITCH - LOW OIL PRESS
T1		1	IGNITION COIL - (OHM)

• WHEN USED

AC SLIP RINGS
M1 M2 M3
M4 M5 M6 M7 M8 M9 M10 M11 M12 M13 M14 M15 M16 M17 M18 M19 M20 M21 M22 M23 M24 M25 M26 M27 M28 M29 M30 M31 M32 M33 M34 M35 M36 M37 M38 M39 M40 M41 M42 M43 M44 M45 M46 M47 M48 M49 M50 M51 M52 M53 M54 M55 M56 M57 M58 M59 M60 M61 M62 M63 M64 M65 M66 M67 M68 M69 M70 M71 M72 M73 M74 M75 M76 M77 M78 M79 M80 M81 M82 M83 M84 M85 M86 M87 M88 M89 M90 M91 M92 M93 M94 M95 M96 M97 M98 M99 M100

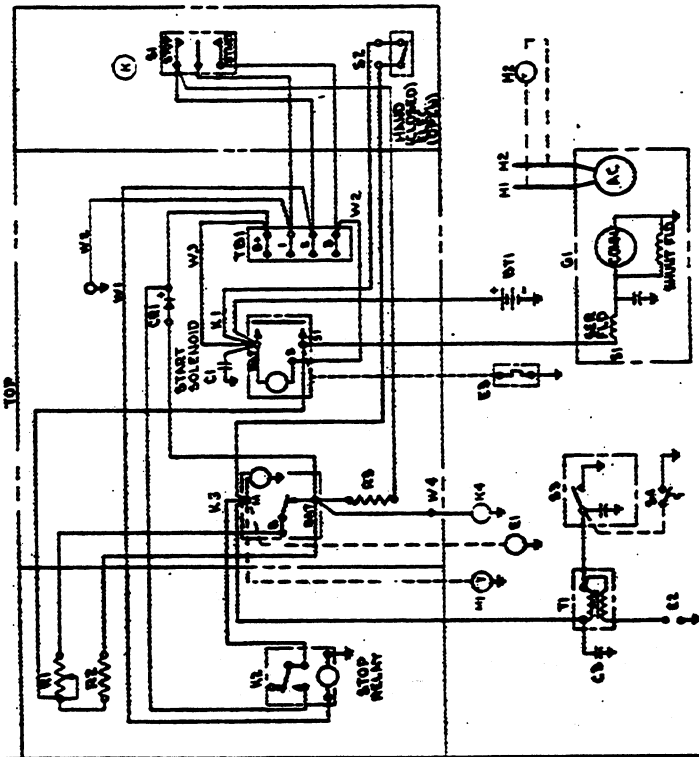
NOTE:
• GROUNDED AC LEAD; OTHERS HAVE
1 MFD CAPACITOR TO GROUND IN GEN.

610C266



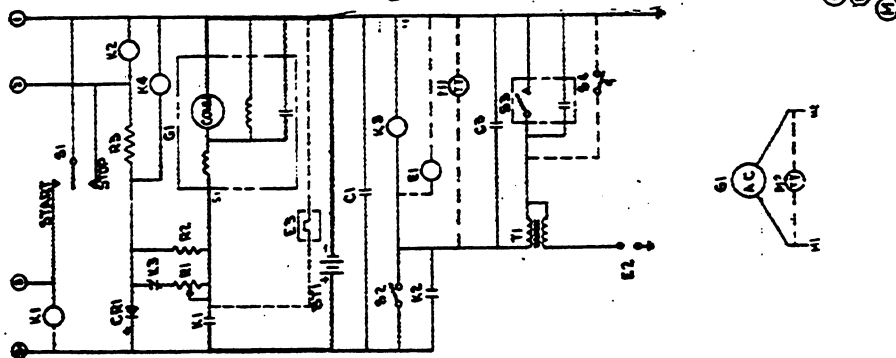
610C313

WIRING DIAGRAM
(INSIDE VIEW OF BOX
TOP)



NOTE:
W2 IS GROUND AC LEAD
W1 HAS A .1 MFD CAPACITOR TO
GROUND IN GENERATOR.

SCHEMATIC



PARTS LIST

REF. DES.	PART NO.	QTY	DESCRIPTION
C1	312A185	1	CAPACITOR ASSY
C2	305A494	1	DIODE ASSY
C3	305B235(REF)	1	DIODE-REVERSE CURRENT
K1	305A234(REF)	1	RELAY STOP
K2	307A170	1	RELAY-START SOLENOID
K3	307B253(REF)	1	RELAY-STOP
K4	305A383	1	RELAY-2 STEP VOLTAGE
R1	304A175(REF)	1	RESISTOR ADJ. 1 OHM .50 W
R2	304A344(REF)	1	RESISTOR-FIXED 1 OHM .25 W
S1	304A234	1	SWITCH 250V RMT START
S2	307P54(REF)	1	SWITCH-START STOP
S3	331A231-REF	1	RESISTOR 10 OHM .5 W
S4	308A100	1	SWITCH 3 LEAD ASSY
S5	308P2	1	SWITCH (HAND-ELECT START)
T1	332A537	1	TERMINAL BLOCK
W1	332A556	1	WIRE STRIP
W2	336A204	1	LEAD ASSY 10
W3	336A1045	2	LEAD ASSY 0
W4	336A203	1	LEAD ASSY 12
W5	336A1590	1	LEAD ASSY 22
30103101		1	CONTROL BOX
3018102		1	COVER
99A2117		1	SCREEN
332-517		1	TERMINAL
508-1		3	GROUND
PARTS LIST (LONG-SENSE)			
B1		1	BATTERY-12 VOLT
C3	312A162(REF)	1	CAPACITOR 0.1 MFD
E1		1	FUEL PUMP
E2		1	SPARK PLUG
E3		1	CHOKES-ELECT
G1		1	GENERATOR
S4	308A2(REF)	1	BREAKER & CIR ASSEMBLY
S5		1	SWITCH-HIGH AIR TEMP
T1		1	IGNITION COIL (OHM)
K4	307P312(REF)	1	SOLENOID-FUEL (GAS)
307P231(REF)		1	SOLENOID-FUEL (GASOLINE)
M1		1	METER-RUNNING TIME, 12 VDC
M2		1	METER-RUNNING TIME, AC

610C313

↑ WHEN USED

NOTE:
UNLESS OTHERWISE NOTED ALL
COMPONENTS ARE SHOWN IN THE
DE-ENERGIZED POSITION

①

②

③

④

⑤

⑥

⑦

⑧

⑨

⑩

⑪

⑫

⑬

⑭

⑮

⑯

⑰

⑱

⑲

⑳

㉑

㉒

㉓

㉔

㉕

㉖

㉗

㉘

㉙

㉚

㉛

㉜

㉝

㉞

㉟

㊱

㊲

㊳

㊴

㊵

㊶

㊷

㊸

㊹

㊺

㊻

㊼

㊽

㊾

㊿

0

1

2

3

4

5

6

7

8

9

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

AA

AB

AC

AD

AE

AF

AG

AH

AI

AJ

AK

AL

AM

AN

AO

AP

AQ

AR

AS

AT

AU

AV

AW

AX

AY

AZ

BA

BB

BC

BD

BE

BF

BG

BH

BI

BJ

BK

BL

BM

BN

BO

BP

BQ

BR

BS

BT

BU

BV

BW

BX

BY

BZ

CA

CB

CC

CD

CE

CF

CG

CH

CI

CJ

CK

CL

CM

CN

CO

CP

CQ

CR

CS

CT

CU

CV

CW

CX

CY

CZ

DA

DB

DC

DD

DE

DF

DG

DH

DI

DJ

DK

DL

DM

DN

DO

DP

DQ

DR

DS

DT

DU

DV

DW

DX

DY

DZ

EA

EB

EC

ED

EE

EF

EG

EH

EI

EJ

EK

EL

EM

EN

EO

EP

EQ

ER

ES

ET

EU

EV

EW

EX

EY

EZ

FA

FB

FC

FD

FE

FF

FG

FH

FI

FJ

FK

FL

FM

FN

FO

FP

FQ

FR

FS

FT

FU

FV

FW

FX

FY

FZ

GA

GB

GC

GD

GE

GF

GG

GH

GI

GJ

GK

GL

GM

GN

GO

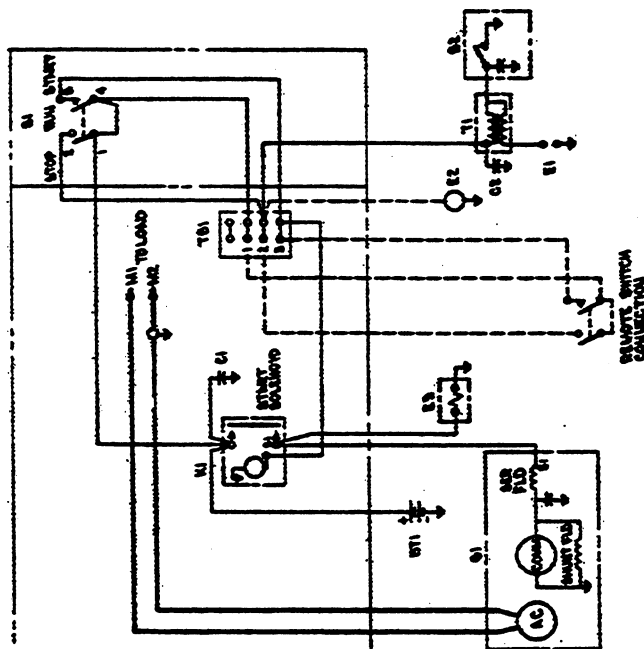
GP

GQ

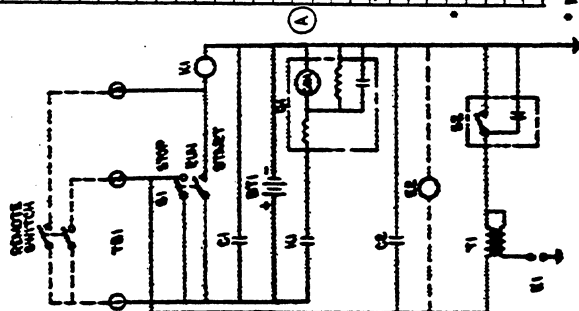
GR

GS

WIRTSCHAFTS UNIVERSITÄT WIEN



SCHEMATIC



PARTS LIST			
REF. DES.	PART NO.	QTY.	DESCRIPTION
C1	312A57	1	CAPACITOR - 1.0 MFD
K1	307B514	1	RELAY - START SOLENOID
S1	308A140	1	SWITCH - START - RUN STOP
TB1	30A2101	1	TERMINAL BLOCK
	332A537	1	TERMINAL BLOCK
	332A540	1	MARKER STRIP (BLANK OUT B+)
	332-142	1	TERMINAL
	301C3101	1	CONTROL BOX
	301B3102	1	COVER
	332-517	1	TERMINAL
	517-10	1	DOT OUTLINE
	506-1	3	GROMMET
END-GEN PARTS LIST (REF)			
B11		1	BATTERY 12 VOLT
C2		1	CAPACITOR 0.1 MFD
E1		1	SPARK PLUG
E2		1	FUEL PUMP
E3		1	ELEC. GUARD
G1		1	GENERATOR
S2		1	BREMER & CAP. ASSY
T1		1	IGNITION COIL

ENG-GEN PARTS LIST (REF)

• WHEN USED

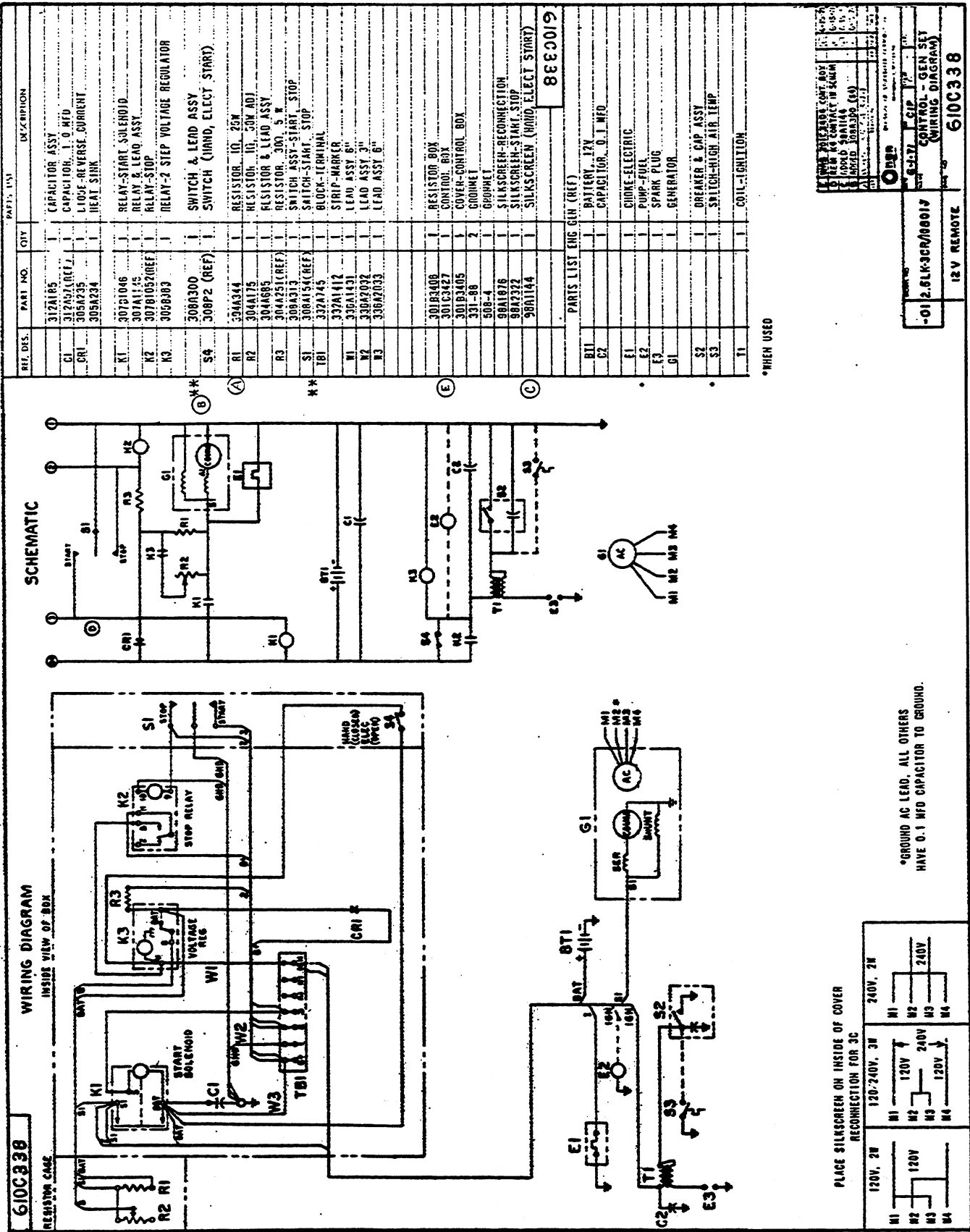
NOTES:

W2 IS GROUNDED AC LEAD

MI HAS .1 MFD CAPACITOR TO GROUND IN GEN

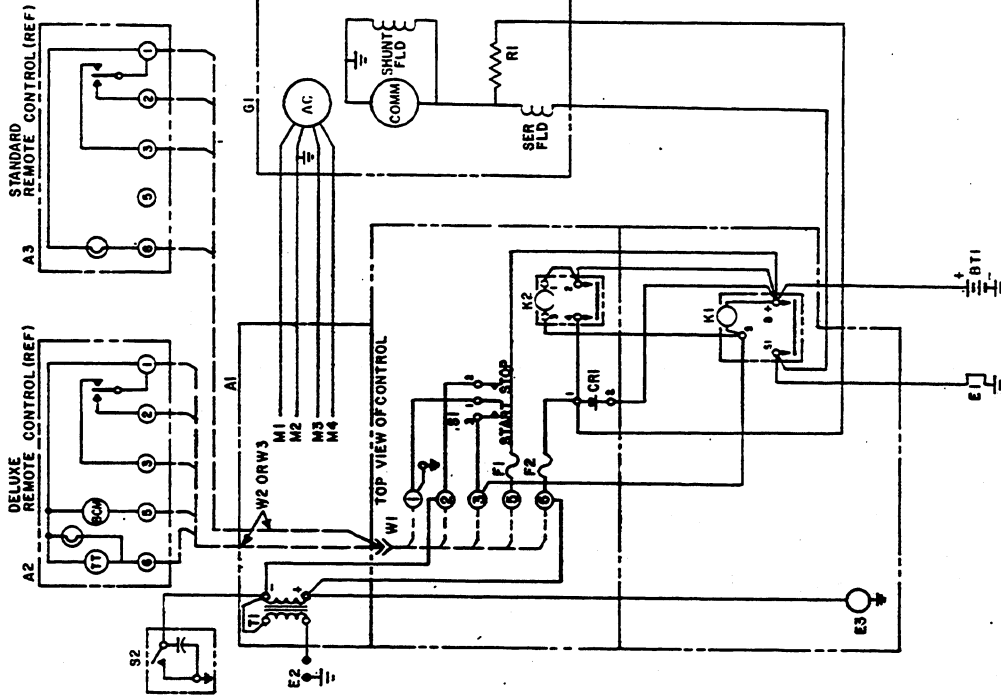
NOTE:
UNLESS OTHERWISE NOTED, ALL
COMPONENTS ARE SHOWN IN THE
DE-ENERGIZED POSITION.

Orange
BRANCH OF SUGARCANE COMPANY IN
STREET NO. 100
JAN 1964
WIRING DIAGRAM
CONTROL - GEN SET
610C320

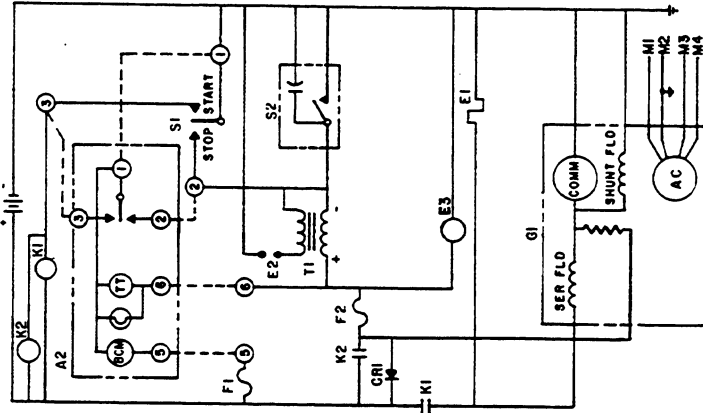


610-0350C

WIRING DIAGRAM



SCHEMATIC

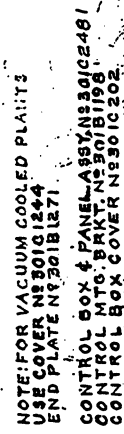


REF. DES.	PART NO.	QTY	DESCRIPTION
A1	300-0235	D	CONTROL ASSY
ALL PART NOS LISTED BELOW ARE REF. ONLY			
A2	300-0986	B	DELUXE REMOTE CONTROL
A3	300-0985	B	STANDARD REMOTE CONTROL
BT1			BATTERY 12V
CRI	303-0235	A	RECTIFIER
E1			1 CHOKE-ONAN
E2			1 SPARK PLUG
E3			1 SOLENOID-FUEL
F1	331-0146	- 2	FUSE (DAMP 32V)
G1			1 GENERATOR
K1	302-1458	B	SOLENOID-START
K2	307-1497	B	RELAY-CRANK IGNITION
R1	353-0082	- 1	RESISTOR
S1			1 SWITCH-START-STOP
S2			1 BREAKER & CAP ASSY
T1			1 COIL-IGNITION
W1	338-0958	B	1 WIRING HARNESS (CONN-REMOTE)
W2	338-0959	C	1 WIRING HARNESS (CABLE-REMOTE CONTROL) (10 FEET LONG)
W3	338-0960	C	1 WIRING HARNESS (CABLE-REMOTE CONTROL) (50 FEET LONG)
OPTION			
OPTION			
OPTION			
C 0950-019			

A1	WAS 304-0143	W/1/5/7/5
A2	WAS 304-0143	W/1/5/7/5
A3	WAS 304-0143	W/1/5/7/5
BT1	WAS 304-0143	W/1/5/7/5
CRI	WAS 304-0143	W/1/5/7/5
E1	WAS 304-0143	W/1/5/7/5
E2	WAS 304-0143	W/1/5/7/5
E3	WAS 304-0143	W/1/5/7/5
F1	WAS 304-0143	W/1/5/7/5
G1	WAS 304-0143	W/1/5/7/5
K1	WAS 304-0143	W/1/5/7/5
K2	WAS 304-0143	W/1/5/7/5
R1	WAS 304-0143	W/1/5/7/5
S1	WAS 304-0143	W/1/5/7/5
S2	WAS 304-0143	W/1/5/7/5
T1	WAS 304-0143	W/1/5/7/5
W1	WAS 304-0143	W/1/5/7/5
W2	WAS 304-0143	W/1/5/7/5
W3	WAS 304-0143	W/1/5/7/5
CONTROL-GEN SET		
WIRING DIAGRAM		
610-0350		

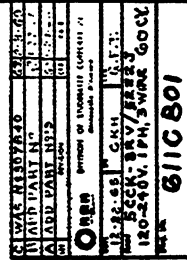
RECONNECTION CHART	
120V, 2W	120/240V, 3W
M1	M1
M2	M2
M3	M3
M4	M4

-O1	2.5 LK-3CR/IL
	120/240V 1 PH. 4W 60Hz



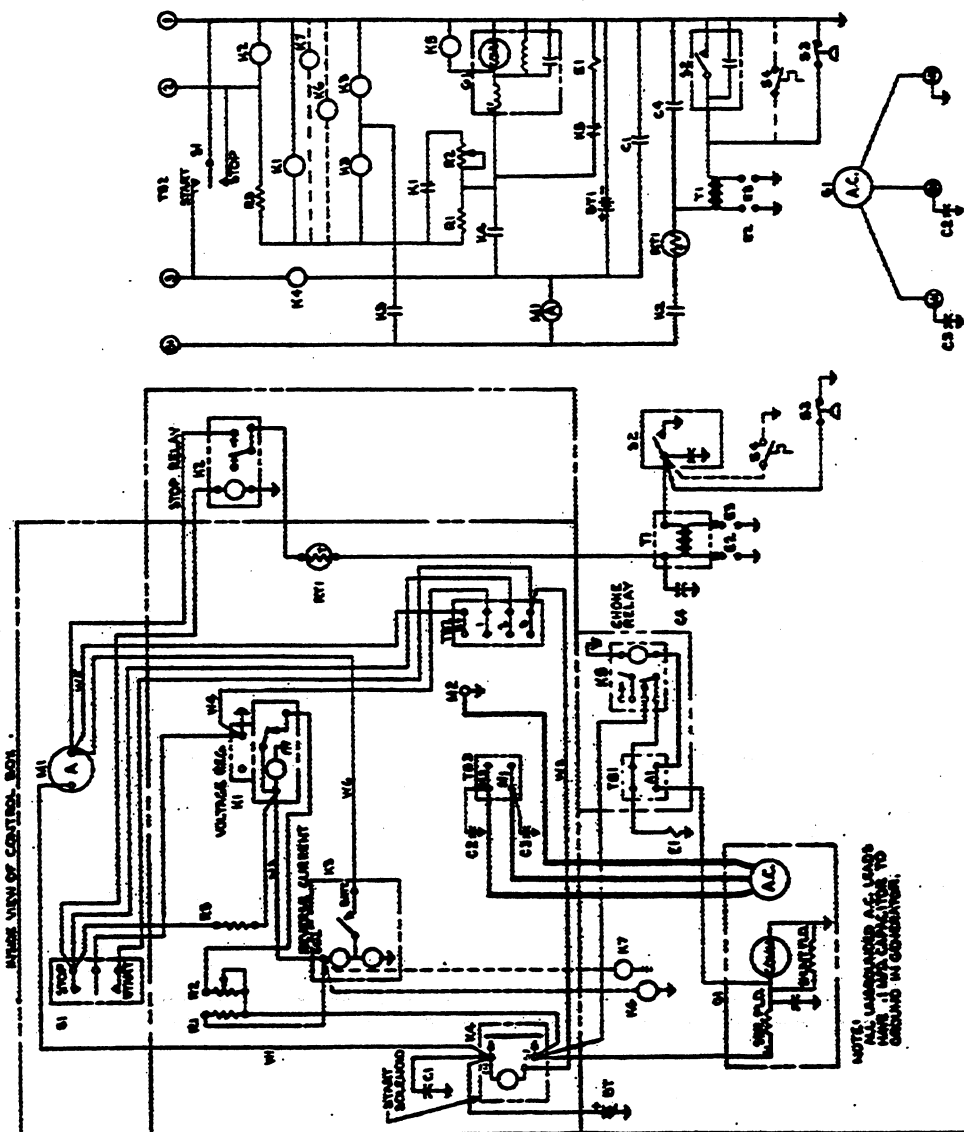
C	WAS	N 307B40	83E9-63
B	REM	50CK-3RV/5532J	03/7254
B	ADD	50CK-3RV/5532J	03/7254
A	ADD	50CK-3RV/4322J	03/5465
			DATE
WATERING DIGG			
B. W. OWAN AND			
S. J. GALT			
120/240V, 1Ø 3WIRE 600Y			

9-16-81 6110670



WESTINGHOUSE

SCHEMATIC DIAGRAM



NOTE:
ALL INFORMATION A-1, PAGE
ONE. I AM CAPABLE TO
CONVINCE IN CONVICTION.

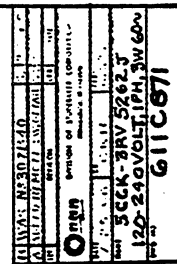
REF. DES.	PART NO.	QTY	14-000000
C1	312126	1	CAPACITOR ASSY 1 0 WFO
C2-3	312166	1	CAPACITOR ASSY 0 1 WFO
K1	305A1	1	RELAY-2 STEP VOLTAGE RELTR
	307A1115	1	RELAY & LEAD ASSY
K2	307B2531(REF)	1	RELAY-STOP
K3	307B642(REF)	1	RELAY-REVERSE
K4	307B1046	1	RELAY-START SOLENOID
	307A11136	1	RELAY & BOX ASSY
H5	307B642(REF)	1	RELAY-CHOKE
T01	332A609(REF)	1	TERMINAL BLOCK
	301B7272(REF)	1	RELAY & TERM BOT
W1	302A258	1	AMMETER-CHARGE 10-0-10
	304A6683	1	RESISTORS & LEAD ASSY
R1	304A344(REF)	1	RESISTOR-1 OHM 25 4
R2	304A175(REF)	1	RESISTOR-1 OHM, 30 W A01
	304A700	1	RESISTOR & LEAD ASSY
RT1	304A601(REF)	1	RESISTOR-HITTEMCO 1 77 OHM 25 W
	306B292	1	SWITCH ASSY-BMT START
S1	306T154(REF)	1	SWITCH-3P START
R3	304A251(REF)	1	RESISTOR-30 OHM 5 W
T02	332A537	1	TERMINAL BLOCK
	332A639	1	MARKER STRIP
	332 142	1	TERMINAL
T03	332A231	1	TERMINAL BLOCK
	301C2723	1	CONTROL BOX & PANEL ASSY
	301B1196	1	BRACKET-CONTROL BOX MFG
	301C1244	1	COVER
	301B1271	1	ENDPLATE
	80A1812	1	SILKSCREEN
	517-19	1	BUTTON-DOT
W1	336A1432	1	LEAD ASSY
W2	336A1763	1	LEAD ASSY
W3	336A1430	1	LEAD ASSY
W4	336A565	1	LEAD ASSY
W5	336A1045	1	LEAD ASSY
W6	336A1431	1	LEAD ASSY
PARTS LIST (ENG GEN)			
B11		1	BATTERY-12V
C4	312A182(REF)	1	CAPACITOR, 0.1 MFD. (SPEC. 1)
E1		1	CHOKE-S1550N
E2-3		2	SPARK PLUG
G1		1	GENERATOR
X0	149P650(REF)	1	PUMP-FUEL
S2		1	BREAKER & CAP ASSY
N7	306A21(REF)	1	SOLENOID-GAS
S4		1	SWITCH-HIGH AIR (EMP
S5	309A10(REF)	1	SWITCH-LOW OIL PRESS
T1		1	COIL-1 (EMCOAN)

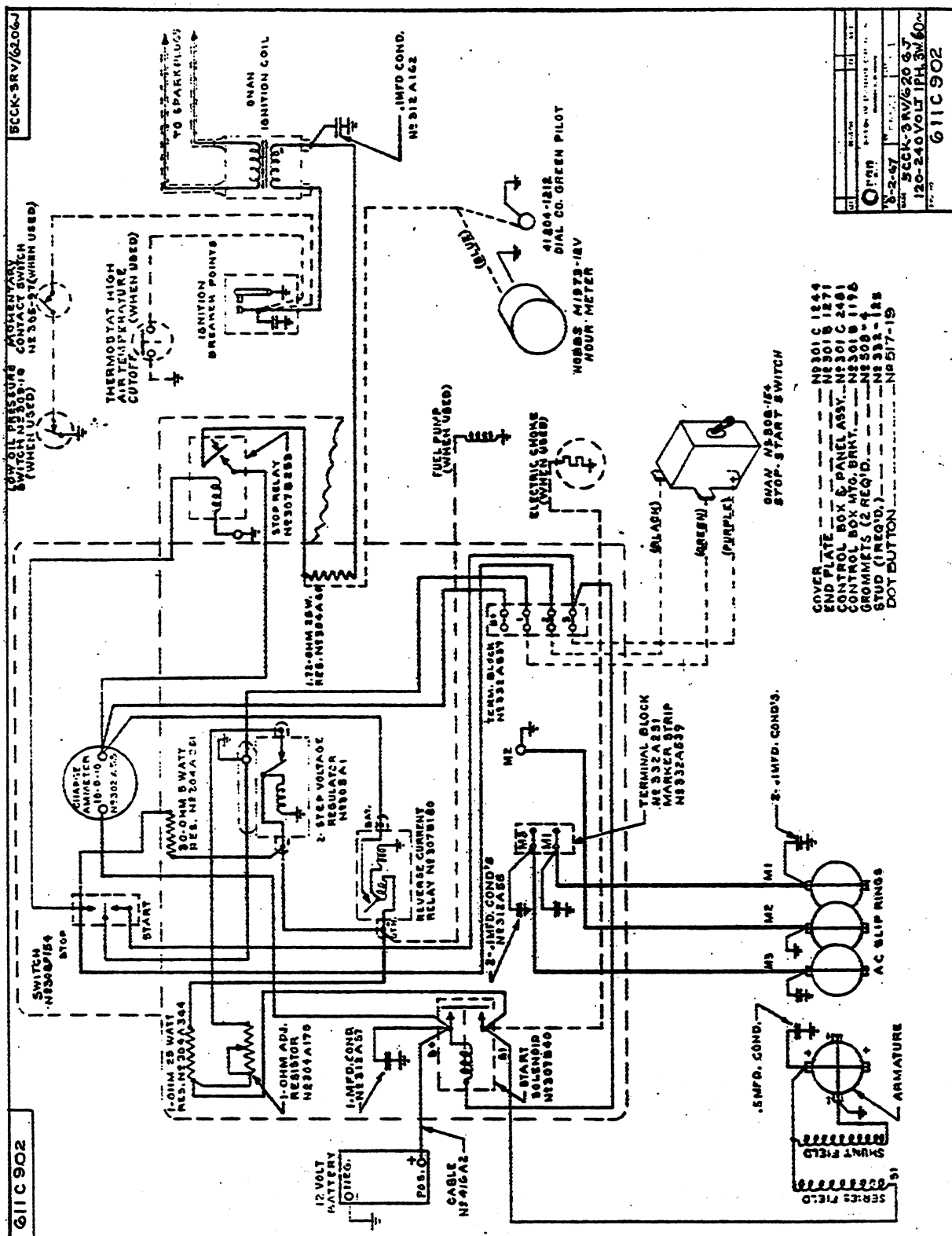
WHEN USED

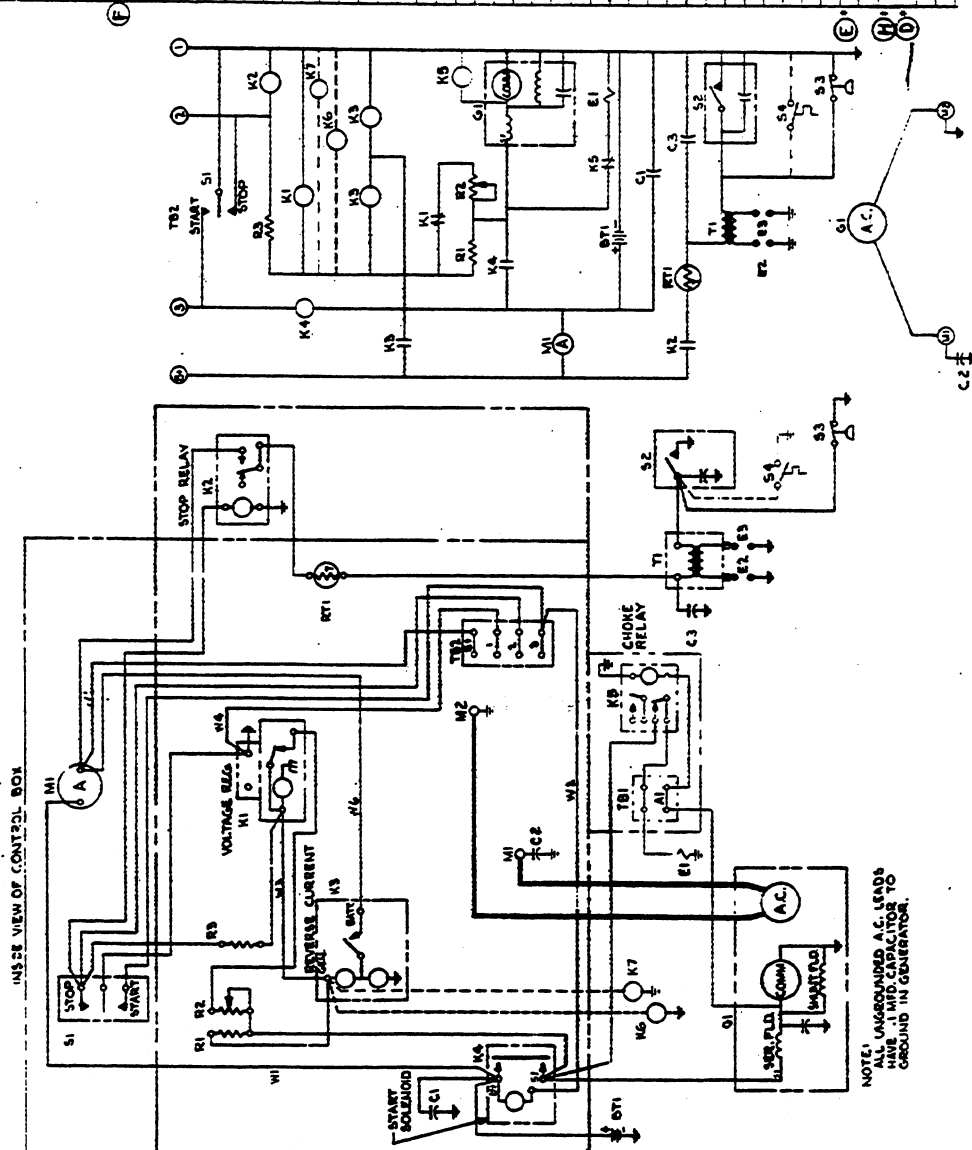
DASH NO.
-01-

[illegible]

4CCK-3AV/5360J
4CCK-3AV6000/1J
4CCK-3AV6000/1J
4CCK-3AV/5360J
120/240 V, 1 PH,
3 W, 60 Cx







REF ID	PAR	QTY	UNIT	DESCRIPTION
C1	312A186	1	1	CAPACITOR ASSY 1.0 MFD
C2	312A86	1	1	CAPACITOR ASSY 0.1 MFD
K1	303A1	1	1	RELAY-2 STEP VOLTAGE RGLTR
	307A1115	1	1	RELAY & LEAD ASSY
K2	307B453(REF)	1	1	RELAY-STOP
K3	307B180	1	1	RELAY-REVERSE CURRENT
K4	307B1046	1	1	RELAY-START SOLENOID
K5	307B842(REF)	1	1	RELAY & BOX ASSY
T81	332A609(REF)	1	1	RELAY-CHOKE
	301B2722(REF)	1	1	TERMINAL BLOCK
M1	302A266	1	1	RELAY & TERM BOX
	304B883	1	1	AMMETER-CHARGE 10-0-10
R1	304A344(REF)	1	1	RESISTORS & LEAD ASSY
R2	304A175(REF)	1	1	RESISTOR-1 OHM, 25 W
	304A175(REF)	1	1	RESISTOR-1 OHM, 50 W ADJ
RT1	304A100(REF)	1	1	RESISTOR & LEAD ASSY
	300B492	1	1	RESISTOR-ANTICLOCK 1.72 OHM, 25 W
S1	308P154(REF)	1	1	SWITCH ASSY-ARMY START
R3	304A251(REF)	1	1	SWITCH-STOP/START
T82	332A537	1	1	TERMINAL BLOCK
	332A2640	1	1	WARMER STRIP
	332-142	2	2	TERMINAL
	332-557	1	1	FASTENER-PAPER
	301C27723	1	1	CONTROL BOX & PANEL ASSY
	301B1198	1	1	BRACKET-CONTROL BOX M/G
	301C1244	1	1	COVER
	301B1271	1	1	ENDPLATE
	98A1012	1	1	SILKSREEN
	517-19	1	1	BUTTON-DOY
W1	338A1422	1	1	LEAD ASSY
W2	338A1263	1	1	LEAD ASSY
W3	338A1430	1	1	LEAD ASSY
	338A565	1	1	LEAD ASSY
W5	338A1045	1	1	LEAD ASSY
W6	338A1431	1	1	LEAD ASSY
<div style="float: right; border: 1px solid black; padding: 5px; margin-top: 10px;">416 C119</div>				
PARTS LIST (ENG/GEN)				
BT1	312A182(REF)	1	1	BATTERY-12V
C3		1	1	CAPACITOR 0.1 MFD (SPEC 1)
E2		2	2	CHOKE-STISSON
E2.3		1	1	SPARK PLUG
G1		1	1	GENERATOR
K1	149P650(REF)	1	1	PUMP-FUEL
K6		1	1	BREAKER & CAP ASSY
N7		1	1	SOLENOID-GAS
S4	306A2(REF)	1	1	SWITCH-HIGH AIR TEMP
S4	308A10(REF)	1	1	SWITCH-LOW OIL PRESS
T1		1	1	COLL-160000000

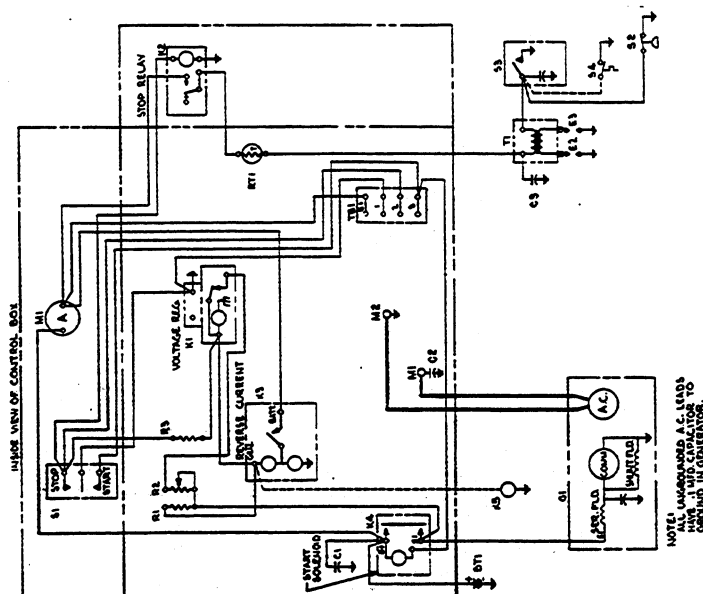
*** WHEN USED**

GENERAL DIVISION		101	
J. ADDED DASH NO.		27 20 20	
K. ADDED VEHICLE NO.		27 20 20	
L. ADDED LICENSE NO.		27 20 20	
M. ADDED MAKE		27 20 20	
N. ADDED MODEL		27 20 20	
O. ADDED COLOR		27 20 20	
P. ADDED MAKE		27 20 20	
Q. ADDED MAKE		27 20 20	
R. ADDED MAKE		27 20 20	
S. ADDED MAKE		27 20 20	
T. ADDED MAKE		27 20 20	
U. ADDED MAKE		27 20 20	
V. ADDED MAKE		27 20 20	
W. ADDED MAKE		27 20 20	
X. ADDED MAKE		27 20 20	
Y. ADDED MAKE		27 20 20	
Z. ADDED MAKE		27 20 20	
AA. ADDED MAKE		27 20 20	
AB. ADDED MAKE		27 20 20	
AC. ADDED MAKE		27 20 20	
AD. ADDED MAKE		27 20 20	
AE. ADDED MAKE		27 20 20	
AF. ADDED MAKE		27 20 20	
AG. ADDED MAKE		27 20 20	
AH. ADDED MAKE		27 20 20	
AI. ADDED MAKE		27 20 20	
AJ. ADDED MAKE		27 20 20	
AK. ADDED MAKE		27 20 20	
AL. ADDED MAKE		27 20 20	
AM. ADDED MAKE		27 20 20	
AN. ADDED MAKE		27 20 20	
AO. ADDED MAKE		27 20 20	
AP. ADDED MAKE		27 20 20	
AQ. ADDED MAKE		27 20 20	
AR. ADDED MAKE		27 20 20	
AS. ADDED MAKE		27 20 20	
AT. ADDED MAKE		27 20 20	
AU. ADDED MAKE		27 20 20	
AV. ADDED MAKE		27 20 20	
AW. ADDED MAKE		27 20 20	
AX. ADDED MAKE		27 20 20	
AY. ADDED MAKE		27 20 20	
AZ. ADDED MAKE		27 20 20	
BA. ADDED MAKE		27 20 20	
BB. ADDED MAKE		27 20 20	
BC. ADDED MAKE		27 20 20	
BD. ADDED MAKE		27 20 20	
BE. ADDED MAKE		27 20 20	
BF. ADDED MAKE		27 20 20	
BG. ADDED MAKE		27 20 20	
BH. ADDED MAKE		27 20 20	
BI. ADDED MAKE		27 20 20	
BJ. ADDED MAKE		27 20 20	
BK. ADDED MAKE		27 20 20	
BL. ADDED MAKE		27 20 20	
BM. ADDED MAKE		27 20 20	
BN. ADDED MAKE		27 20 20	
BO. ADDED MAKE		27 20 20	
BP. ADDED MAKE		27 20 20	
BQ. ADDED MAKE		27 20 20	
BR. ADDED MAKE		27 20 20	
BS. ADDED MAKE		27 20 20	
BT. ADDED MAKE		27 20 20	
BU. ADDED MAKE		27 20 20	
BV. ADDED MAKE		27 20 20	
BW. ADDED MAKE		27 20 20	
BX. ADDED MAKE		27 20 20	
BY. ADDED MAKE		27 20 20	
BZ. ADDED MAKE		27 20 20	
CA. ADDED MAKE		27 20 20	
CB. ADDED MAKE		27 20 20	
CC. ADDED MAKE		27 20 20	
CD. ADDED MAKE		27 20 20	
CE. ADDED MAKE		27 20 20	
CF. ADDED MAKE		27 20 20	
CG. ADDED MAKE		27 20 20	
CH. ADDED MAKE		27 20 20	
CI. ADDED MAKE		27 20 20	
CJ. ADDED MAKE		27 20 20	
CK. ADDED MAKE		27 20 20	
CL. ADDED MAKE		27 20 20	
CM. ADDED MAKE		27 20 20	
CN. ADDED MAKE		27 20 20	
CO. ADDED MAKE		27 20 20	
CP. ADDED MAKE		27 20 20	
CQ. ADDED MAKE		27 20 20	
CR. ADDED MAKE		27 20 20	
CS. ADDED MAKE		27 20 20	
CT. ADDED MAKE		27 20 20	
CU. ADDED MAKE		27 20 20	
CV. ADDED MAKE		27 20 20	
CW. ADDED MAKE		27 20 20	
CX. ADDED MAKE		27 20 20	
CY. ADDED MAKE		27 20 20	
CZ. ADDED MAKE		27 20 20	
DA. ADDED MAKE		27 20 20	
DB. ADDED MAKE		27 20 20	
DC. ADDED MAKE		27 20 20	
DD. ADDED MAKE		27 20 20	
DE. ADDED MAKE		27 20 20	
DF. ADDED MAKE		27 20 20	
DG. ADDED MAKE		27 20 20	
DH. ADDED MAKE		27 20 20	
DI. ADDED MAKE		27 20 20	
DJ. ADDED MAKE		27 20 20	
DK. ADDED MAKE		27 20 20	

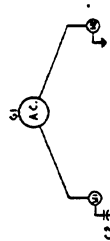
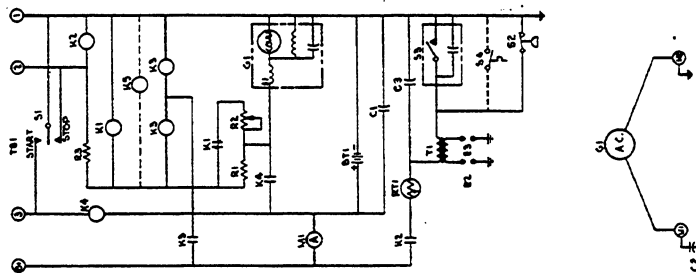
NOTE: ALL UNGROUNDED A.C. LEADS HAVE .1 MFD. CAPACITOR TO GROUND IN GENERATOR.

611C957

WIRING DIAGRAM



SCHEMATIC DIAGRAM



* - When Used.

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A57	1	Capacitor 1.0 MFD.
C2	312A58	1	Capacitor 0.1 MFD.
K1	305A1	1	Relay, 2-Step Voltage Reg.
K2	307B253	1	Relay, Stop
K3	307B180	1	Relay, Reverse Current
K4	307B1046	1	Relay, Start Solenoid
M1	302A58	1	Ammeter, Charge 10-0-10
R1	304A344	1	Resistor, 1-Ohm, 25 Watt
R2	304A175	1	Resistor, 1-Ohm, 50 Watt, Adj.
R3	304A251	1	Resistor, 30-Ohm, 5 Watt
RT1	304A60	1	Resistor, Hitemco 1.72-Ohm, 25 Watt
S1	308P154	1	Switch, Stop/Start
TB1	332A537	1	Terminal Block
	332A540	1	Marker Strip
	332-142	2	Terminal
	301C2723	1	Control Box & Panel Assy.
	301B1198	1	Mounting Bracket
	301C1244	1	Coil
	301B1271	1	Cover (RV Models)
	517-19	1	Endplate (RV Models)
BT1		1	Dot - Button
C3	312A35	1	Battery, 12-Volt
	312A162	1	Capacitor 0.1 MFD. (Spec J Models)
E2, 3		2	Spark Plugs
G1		1	Generator
*K5	307P312	1	Gas Solenoid
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch, High Air Temp.
S2	309A10	1	Switch, Low Oil Pressure
T1		1	Ignition Coil (ONAN)

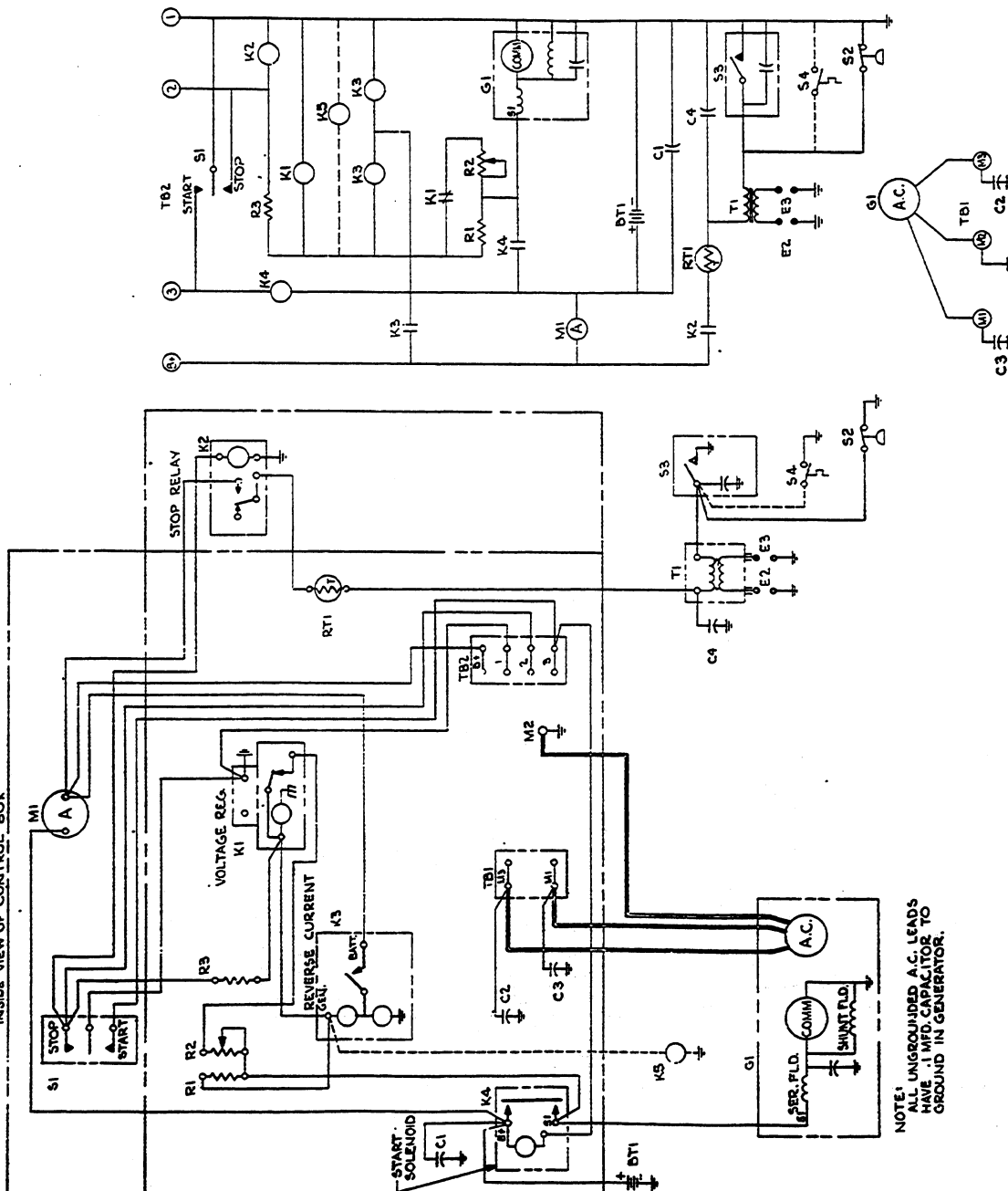
611C957	
DATE: 10/1/57	BY: J. W. H.
REV: 1	REV: 1
REV: 2	REV: 2
REV: 3	REV: 3
REV: 4	REV: 4
REV: 5	REV: 5
REV: 6	REV: 6
REV: 7	REV: 7
REV: 8	REV: 8
REV: 9	REV: 9
REV: 10	REV: 10
REV: 11	REV: 11
REV: 12	REV: 12
REV: 13	REV: 13
REV: 14	REV: 14
REV: 15	REV: 15
REV: 16	REV: 16
REV: 17	REV: 17
REV: 18	REV: 18
REV: 19	REV: 19
REV: 20	REV: 20
REV: 21	REV: 21
REV: 22	REV: 22
REV: 23	REV: 23
REV: 24	REV: 24
REV: 25	REV: 25
REV: 26	REV: 26
REV: 27	REV: 27
REV: 28	REV: 28
REV: 29	REV: 29
REV: 30	REV: 30
REV: 31	REV: 31
REV: 32	REV: 32
REV: 33	REV: 33
REV: 34	REV: 34
REV: 35	REV: 35
REV: 36	REV: 36
REV: 37	REV: 37
REV: 38	REV: 38
REV: 39	REV: 39
REV: 40	REV: 40
REV: 41	REV: 41
REV: 42	REV: 42
REV: 43	REV: 43
REV: 44	REV: 44
REV: 45	REV: 45
REV: 46	REV: 46
REV: 47	REV: 47
REV: 48	REV: 48
REV: 49	REV: 49
REV: 50	REV: 50
REV: 51	REV: 51
REV: 52	REV: 52
REV: 53	REV: 53
REV: 54	REV: 54
REV: 55	REV: 55
REV: 56	REV: 56
REV: 57	REV: 57
REV: 58	REV: 58
REV: 59	REV: 59
REV: 60	REV: 60
REV: 61	REV: 61
REV: 62	REV: 62
REV: 63	REV: 63
REV: 64	REV: 64
REV: 65	REV: 65
REV: 66	REV: 66
REV: 67	REV: 67
REV: 68	REV: 68
REV: 69	REV: 69
REV: 70	REV: 70
REV: 71	REV: 71
REV: 72	REV: 72
REV: 73	REV: 73
REV: 74	REV: 74
REV: 75	REV: 75
REV: 76	REV: 76
REV: 77	REV: 77
REV: 78	REV: 78
REV: 79	REV: 79
REV: 80	REV: 80
REV: 81	REV: 81
REV: 82	REV: 82
REV: 83	REV: 83
REV: 84	REV: 84
REV: 85	REV: 85
REV: 86	REV: 86
REV: 87	REV: 87
REV: 88	REV: 88
REV: 89	REV: 89
REV: 90	REV: 90
REV: 91	REV: 91
REV: 92	REV: 92
REV: 93	REV: 93
REV: 94	REV: 94
REV: 95	REV: 95
REV: 96	REV: 96
REV: 97	REV: 97
REV: 98	REV: 98
REV: 99	REV: 99
REV: 100	REV: 100

NOTE: UNDESIGNED A.C. LEADS TO GROUND IN OBSERVATION.

SCHEMATIC DIAGRAM

101761

REFDES	PART NO.	DESCRIPTION
C1	312A57	CAPACITOR 1.0 MFD.
C2,3	312A58	CAPACITOR 0.1 MFD.
K1	305A1	RELAY - 2 STEP VOLTAGE REG.
K2	307A253	RELAY - STOP
K3	307B160	RELAY - REVERSE CURRENT
K4	307B1046	RELAY - START SOLCHOU
M1	307A58	AMMETER - CHARGE 10-0-10
M2	304A344	RESISTOR - 1 OHM 25 W.
R1	304A175	RESISTOR - 1 OHM 50 W. ADJ.
R3	304A251	RESISTOR - 30 OHM 5 W.
M1	304A60	RESISTOR - METERED 1.72 OHM 25 W.
S1	309P154	SWITCH - STOP, START
TB1	332A231	TERMINAL BLOCK
	332A539	MARKER STRIP
TB2	332A537	TERMINAL BLOCK
	332-142	TERMINAL
	301C2723	CONTROL BOX & PANEL ASST.
	301B1108	MIC. SHACK
	301C1244	COVER (RV MODELS)
	301B1271	EMULATED (RV MODELS)
	96A1B12	STR. SHEET
	517-19	DOOR BUTTON
		PARTS LIST (RV-CEV)
BT1		BATTERY 12-VOLT
C4	312A35	CAPACITOR 0.1 MFD
	312A162	CAPACITOR 0.1 MFD (SPEC. J MODELS)
E2,3		SPARK PLUGS
G1		GENERATOR
K5	307P317	GAS SOLENOID
S3		BRACKET & CAP ASST
S4	309A2	SWITCH - HIGH AIR TEMP.
S2	309A10	SWITCH - LOW OIL PRESS.
TL		LIGHT ON COIL - (CHN)



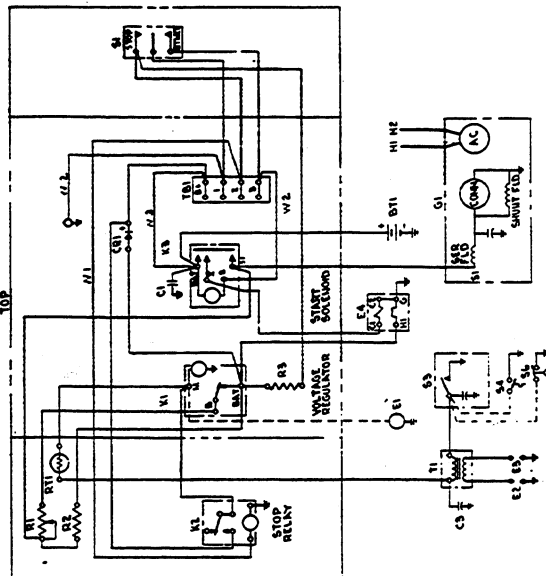
NOTE:
ALL UNGROUNDED A.C. LEADS
HAVE .1 MFD. CAPACITOR TO
GROUND IN GENERATOR.

• WHEN USED

[illegible]

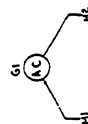
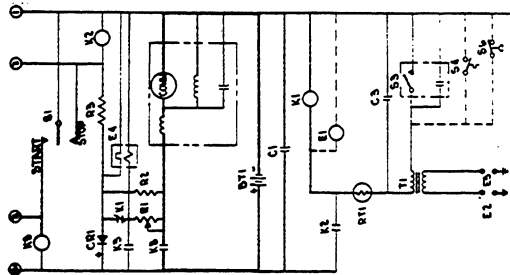
611C1002-1

WIRING DIAGRAM
INSIDE VIEW OF BOX
TOP



NOTE
IF IT IS GUARANTEED BY THE
MANUFACTURER THAT THE
COMPONENTS OF THIS UNIT
ARE IN GOOD CONDITION
AND ARE NOT DEFECTIVE
THEY SHOULD BE USED
AS SHOWN IN THIS
DIAGRAM.

SCHEMATIC



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A185	1	Capacitor Assembly
C1	312A57(Ref)	1	Capacitor 1.0 MFD.
CRI	305A494	1	Diode Assembly
CRI	305B235(Ref)	1	Diode, Reverse Current
K1	305A254(Ref)	1	Heat Sink
K1	305B383	1	Relay, 2-Step Voltage Ref.
K2	307A1120	1	Relay & Lead Assy-Stop
K3	307B253(Ref)	1	Relay, Stop
K3	307B845	1	Relay, Start Solenoid
R1	304A681	1	Resistor Assembly
R1	304A175(Ref)	1	Resistor, Adj, 1-Ohm, 50Watt
R2	304A344(Ref)	1	Resistor, 1-Ohm, 25Watt
R2	304A680	1	Resistor & Lead Assembly
RT1	304A60(Ref)	1	Resistor, Hytemco 1.72-Ohm, 25 Watt
SI	308A294	1	Switch Assembly, RMT Start
R3	308P154(Ref)	1	Switch, Start/Stop
TBI	304A251(Ref)	1	Resistor, 30-Ohm, 5 Watt
WI	332A537	1	Terminal Block
W2	332A566	1	Marker Strip
W3	336A2024	1	Lead Assembly 16"
W3	336A1045	1	Lead Assembly 8"
W3	336A2023	1	Lead Assembly 12"
W3	301B3227	1	Bracket, Control Box Mfg.
W3	301D3228	1	Control Box
W3	301B3102	1	Cover
W3	332-142	1	Terminal
W3	508-1	3	Grommet
W3	517-19	1	Dot-Button
BT1		1	Battery, 12-Volt
C3	312A162	1	Capacitor 0.1 MFD.
*E1		1	Fuel Pump
E2, 3		2	Spark Plug
E4		1	Choke, Thermo-Mag.
G1		1	Generator
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch-High Air Temp.
*S6	309A10	1	Switch-Low Oil Pressure
T1		1	Ignition Coil (ONAN)

* - When Used.

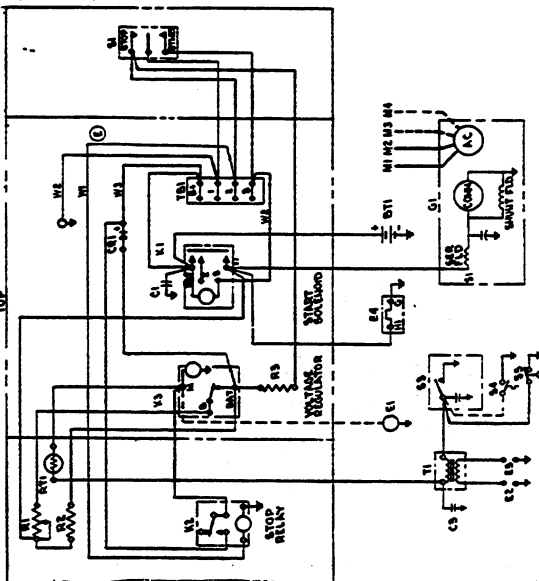
GENERAL	REVISION	DATE	BY
1	REVISED	10/1/57	W. J. HARRIS
2	REVISED	10/1/57	W. J. HARRIS
3	REVISED	10/1/57	W. J. HARRIS
4	REVISED	10/1/57	W. J. HARRIS
5	REVISED	10/1/57	W. J. HARRIS
6	REVISED	10/1/57	W. J. HARRIS
7	REVISED	10/1/57	W. J. HARRIS
8	REVISED	10/1/57	W. J. HARRIS
9	REVISED	10/1/57	W. J. HARRIS
10	REVISED	10/1/57	W. J. HARRIS
11	REVISED	10/1/57	W. J. HARRIS
12	REVISED	10/1/57	W. J. HARRIS
13	REVISED	10/1/57	W. J. HARRIS
14	REVISED	10/1/57	W. J. HARRIS
15	REVISED	10/1/57	W. J. HARRIS
16	REVISED	10/1/57	W. J. HARRIS
17	REVISED	10/1/57	W. J. HARRIS
18	REVISED	10/1/57	W. J. HARRIS
19	REVISED	10/1/57	W. J. HARRIS
20	REVISED	10/1/57	W. J. HARRIS
21	REVISED	10/1/57	W. J. HARRIS
22	REVISED	10/1/57	W. J. HARRIS
23	REVISED	10/1/57	W. J. HARRIS
24	REVISED	10/1/57	W. J. HARRIS
25	REVISED	10/1/57	W. J. HARRIS
26	REVISED	10/1/57	W. J. HARRIS
27	REVISED	10/1/57	W. J. HARRIS
28	REVISED	10/1/57	W. J. HARRIS
29	REVISED	10/1/57	W. J. HARRIS
30	REVISED	10/1/57	W. J. HARRIS
31	REVISED	10/1/57	W. J. HARRIS
32	REVISED	10/1/57	W. J. HARRIS
33	REVISED	10/1/57	W. J. HARRIS
34	REVISED	10/1/57	W. J. HARRIS
35	REVISED	10/1/57	W. J. HARRIS
36	REVISED	10/1/57	W. J. HARRIS
37	REVISED	10/1/57	W. J. HARRIS
38	REVISED	10/1/57	W. J. HARRIS
39	REVISED	10/1/57	W. J. HARRIS
40	REVISED	10/1/57	W. J. HARRIS
41	REVISED	10/1/57	W. J. HARRIS
42	REVISED	10/1/57	W. J. HARRIS
43	REVISED	10/1/57	W. J. HARRIS
44	REVISED	10/1/57	W. J. HARRIS
45	REVISED	10/1/57	W. J. HARRIS
46	REVISED	10/1/57	W. J. HARRIS
47	REVISED	10/1/57	W. J. HARRIS
48	REVISED	10/1/57	W. J. HARRIS
49	REVISED	10/1/57	W. J. HARRIS
50	REVISED	10/1/57	W. J. HARRIS
51	REVISED	10/1/57	W. J. HARRIS
52	REVISED	10/1/57	W. J. HARRIS
53	REVISED	10/1/57	W. J. HARRIS
54	REVISED	10/1/57	W. J. HARRIS
55	REVISED	10/1/57	W. J. HARRIS
56	REVISED	10/1/57	W. J. HARRIS
57	REVISED	10/1/57	W. J. HARRIS
58	REVISED	10/1/57	W. J. HARRIS
59	REVISED	10/1/57	W. J. HARRIS
60	REVISED	10/1/57	W. J. HARRIS
61	REVISED	10/1/57	W. J. HARRIS
62	REVISED	10/1/57	W. J. HARRIS
63	REVISED	10/1/57	W. J. HARRIS
64	REVISED	10/1/57	W. J. HARRIS
65	REVISED	10/1/57	W. J. HARRIS
66	REVISED	10/1/57	W. J. HARRIS
67	REVISED	10/1/57	W. J. HARRIS
68	REVISED	10/1/57	W. J. HARRIS
69	REVISED	10/1/57	W. J. HARRIS
70	REVISED	10/1/57	W. J. HARRIS
71	REVISED	10/1/57	W. J. HARRIS
72	REVISED	10/1/57	W. J. HARRIS
73	REVISED	10/1/57	W. J. HARRIS
74	REVISED	10/1/57	W. J. HARRIS
75	REVISED	10/1/57	W. J. HARRIS
76	REVISED	10/1/57	W. J. HARRIS
77	REVISED	10/1/57	W. J. HARRIS
78	REVISED	10/1/57	W. J. HARRIS
79	REVISED	10/1/57	W. J. HARRIS
80	REVISED	10/1/57	W. J. HARRIS
81	REVISED	10/1/57	W. J. HARRIS
82	REVISED	10/1/57	W. J. HARRIS
83	REVISED	10/1/57	W. J. HARRIS
84	REVISED	10/1/57	W. J. HARRIS
85	REVISED	10/1/57	W. J. HARRIS
86	REVISED	10/1/57	W. J. HARRIS
87	REVISED	10/1/57	W. J. HARRIS
88	REVISED	10/1/57	W. J. HARRIS
89	REVISED	10/1/57	W. J. HARRIS
90	REVISED	10/1/57	W. J. HARRIS
91	REVISED	10/1/57	W. J. HARRIS
92	REVISED	10/1/57	W. J. HARRIS
93	REVISED	10/1/57	W. J. HARRIS
94	REVISED	10/1/57	W. J. HARRIS
95	REVISED	10/1/57	W. J. HARRIS
96	REVISED	10/1/57	W. J. HARRIS
97	REVISED	10/1/57	W. J. HARRIS
98	REVISED	10/1/57	W. J. HARRIS
99	REVISED	10/1/57	W. J. HARRIS
100	REVISED	10/1/57	W. J. HARRIS

NOTE
WHILE REPAIRING THE UNIT
COMPONENTS OF THIS UNIT
SHOULD BE USED
AS SHOWN IN THIS
DIAGRAM.

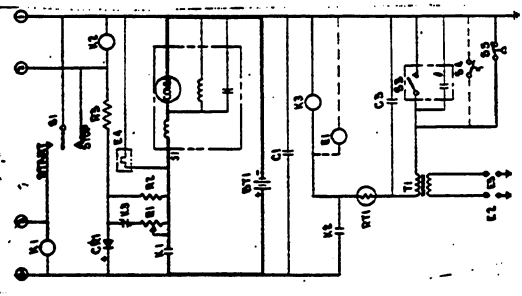
611C1002

61C1036

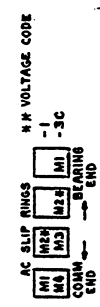
WIRING DIAGRAM
INSIDE VIEW OF BOX



SCHEMATIC



W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100.



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A185	1	Capacitor Assembly
	309A494	1	Diode Assembly
CR1	305B235(Ref)	1	Diode - Reverse Current
	305A254(Ref)	1	Heat Sink
K1	307B845	1	Relay - Start Solenoid
	307A1120	1	Relay & Lead Assy. - Stop
K2	307B253(Ref)	1	Relay, Stop
K3	305B383	1	Relay, 2-Step Voltage
	304A681	1	Resistor Assembly
R1	304A175(Ref)	1	Resistor Adj., 1-Ohm, 50 Watt
R2	304A344(Ref)	1	Resistor, Fixed, 1-Ohm, 25 Watt
	304A680	1	Resistor & Lead Assembly
RT1	304A60(Ref)	1	Resistor, 1.72-Ohm, 25 Watt
	308A294	1	Switch Assy., RMT Start
SI	309P154(Ref)	1	Switch, Start/Stop
R3	304A251(Ref)	1	Resistor, 30-Ohm, 5 Watt
TB1	332A537	1	Terminal Block
	332A566	1	Marker Strip
W1	336A2024	1	Lead Assembly 16"
W2	336A1045	1	Lead Assembly 8"
W3	336A2023	1	Lead Assembly 12"
	301B3227	1	Bracket, Control Box Mtg.
	301D3228	1	Control Box
	301B3102	1	Cover
	517-19	1	Dot-Button
	508-1	3	Grommet

BT1	312A162	1	Battery, 12 Volt
C3		1	Capacitor, 0.1MFD.
*E1		1	Fuel Pump
E2, 3		2	Spark Plug
E4		1	Choke, Electric
G1		1	Generator
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch, High Air Temp.
S5	309A10	1	Switch, Low Oil Pressure
T1		1	Ignition Coil (ONAN)

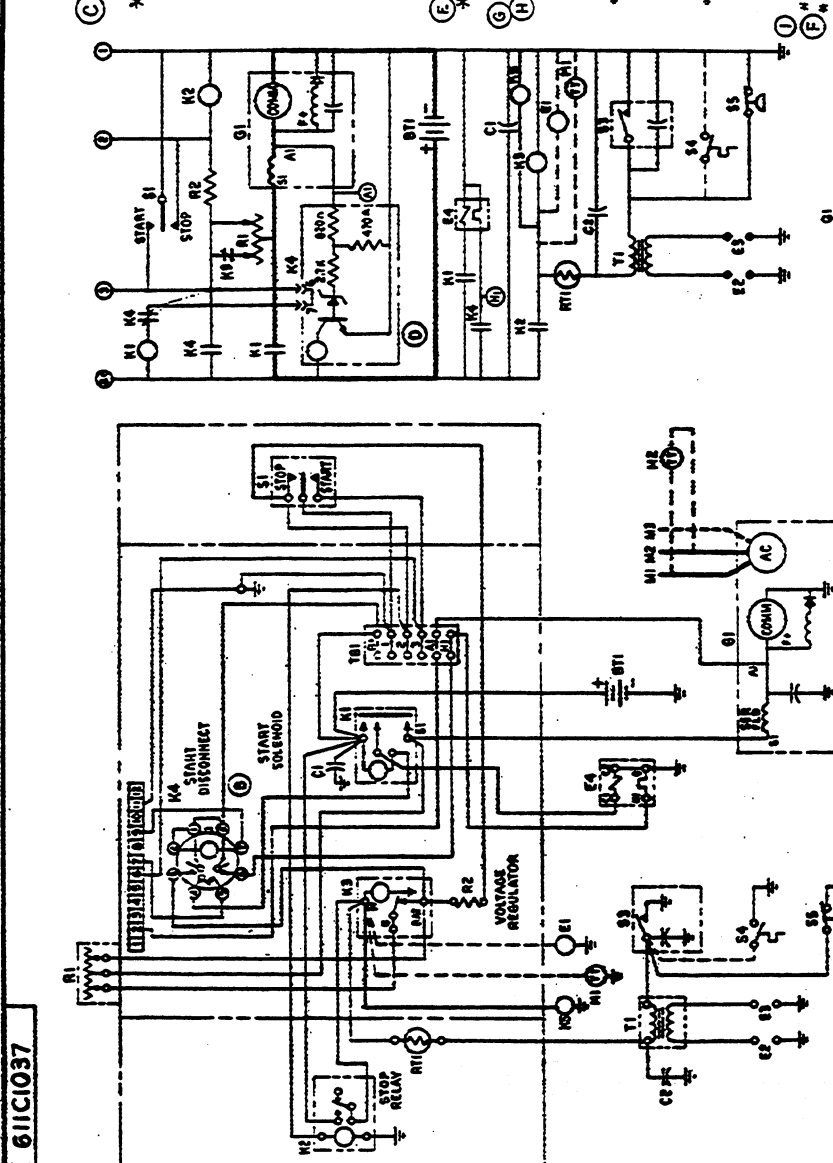
* - When Used.

61C1036

W1, W2, W3, W4, W5, W6, W7, W8, W9, W10, W11, W12, W13, W14, W15, W16, W17, W18, W19, W20, W21, W22, W23, W24, W25, W26, W27, W28, W29, W30, W31, W32, W33, W34, W35, W36, W37, W38, W39, W40, W41, W42, W43, W44, W45, W46, W47, W48, W49, W50, W51, W52, W53, W54, W55, W56, W57, W58, W59, W60, W61, W62, W63, W64, W65, W66, W67, W68, W69, W70, W71, W72, W73, W74, W75, W76, W77, W78, W79, W80, W81, W82, W83, W84, W85, W86, W87, W88, W89, W90, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100.

611C1037

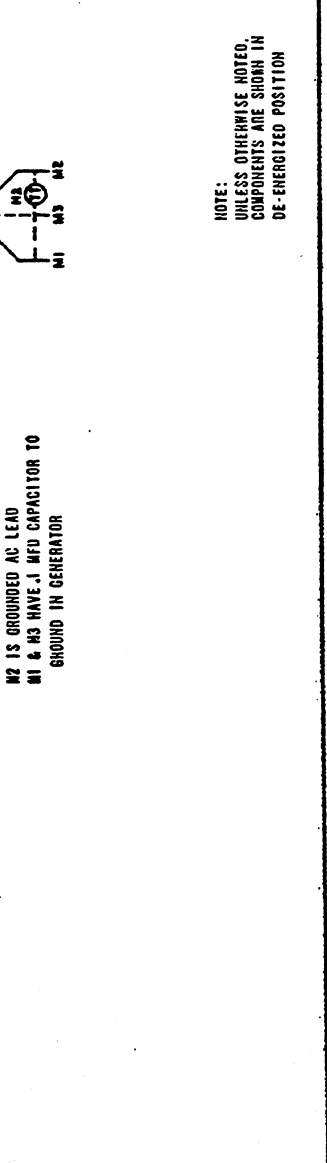
PRT DIS.	PRT NO.	QTY.	DESCRIPTION
C1	312A1R5	1	CAPACITOR ASSY
K1	3070R45	1	RELAY-START SOLENOID
K2	3070R52	1	RELAY-STOP
K3	3050R33	1	RELAY-VOLTAGE DUTY (2 STEP)
K4	308R29	1	RELAY-ASSY-START DISC
R1	304A463	1	RESISTOR-TAPPED (LOW OHM CHG)
RT1	304A690	1	RESISTOR-LEAD ASSY
RT2	304A690	1	RESISTOR-LEAD ASSY
RT3	304A690	1	RESISTOR-LEAD ASSY
RT4	304A690	1	RESISTOR-LEAD ASSY
RT5	304A690	1	RESISTOR-LEAD ASSY
RT6	304A690	1	RESISTOR-LEAD ASSY
RT7	304A690	1	RESISTOR-LEAD ASSY
RT8	304A690	1	RESISTOR-LEAD ASSY
RT9	304A690	1	RESISTOR-LEAD ASSY
RT10	304A690	1	RESISTOR-LEAD ASSY
RT11	304A690	1	RESISTOR-LEAD ASSY
RT12	304A690	1	RESISTOR-LEAD ASSY
RT13	304A690	1	RESISTOR-LEAD ASSY
RT14	304A690	1	RESISTOR-LEAD ASSY
RT15	304A690	1	RESISTOR-LEAD ASSY
RT16	304A690	1	RESISTOR-LEAD ASSY
RT17	304A690	1	RESISTOR-LEAD ASSY
RT18	304A690	1	RESISTOR-LEAD ASSY
RT19	304A690	1	RESISTOR-LEAD ASSY
RT20	304A690	1	RESISTOR-LEAD ASSY
RT21	304A690	1	RESISTOR-LEAD ASSY
RT22	304A690	1	RESISTOR-LEAD ASSY
RT23	304A690	1	RESISTOR-LEAD ASSY
RT24	304A690	1	RESISTOR-LEAD ASSY
RT25	304A690	1	RESISTOR-LEAD ASSY
RT26	304A690	1	RESISTOR-LEAD ASSY
RT27	304A690	1	RESISTOR-LEAD ASSY
RT28	304A690	1	RESISTOR-LEAD ASSY
RT29	304A690	1	RESISTOR-LEAD ASSY
RT30	304A690	1	RESISTOR-LEAD ASSY
RT31	304A690	1	RESISTOR-LEAD ASSY
RT32	304A690	1	RESISTOR-LEAD ASSY
RT33	304A690	1	RESISTOR-LEAD ASSY
RT34	304A690	1	RESISTOR-LEAD ASSY
RT35	304A690	1	RESISTOR-LEAD ASSY
RT36	304A690	1	RESISTOR-LEAD ASSY
RT37	304A690	1	RESISTOR-LEAD ASSY
RT38	304A690	1	RESISTOR-LEAD ASSY
RT39	304A690	1	RESISTOR-LEAD ASSY
RT40	304A690	1	RESISTOR-LEAD ASSY
RT41	304A690	1	RESISTOR-LEAD ASSY
RT42	304A690	1	RESISTOR-LEAD ASSY
RT43	304A690	1	RESISTOR-LEAD ASSY
RT44	304A690	1	RESISTOR-LEAD ASSY
RT45	304A690	1	RESISTOR-LEAD ASSY
RT46	304A690	1	RESISTOR-LEAD ASSY
RT47	304A690	1	RESISTOR-LEAD ASSY
RT48	304A690	1	RESISTOR-LEAD ASSY
RT49	304A690	1	RESISTOR-LEAD ASSY
RT50	304A690	1	RESISTOR-LEAD ASSY
RT51	304A690	1	RESISTOR-LEAD ASSY
RT52	304A690	1	RESISTOR-LEAD ASSY
RT53	304A690	1	RESISTOR-LEAD ASSY
RT54	304A690	1	RESISTOR-LEAD ASSY
RT55	304A690	1	RESISTOR-LEAD ASSY
RT56	304A690	1	RESISTOR-LEAD ASSY
RT57	304A690	1	RESISTOR-LEAD ASSY
RT58	304A690	1	RESISTOR-LEAD ASSY
RT59	304A690	1	RESISTOR-LEAD ASSY
RT60	304A690	1	RESISTOR-LEAD ASSY
RT61	304A690	1	RESISTOR-LEAD ASSY
RT62	304A690	1	RESISTOR-LEAD ASSY
RT63	304A690	1	RESISTOR-LEAD ASSY
RT64	304A690	1	RESISTOR-LEAD ASSY
RT65	304A690	1	RESISTOR-LEAD ASSY
RT66	304A690	1	RESISTOR-LEAD ASSY
RT67	304A690	1	RESISTOR-LEAD ASSY
RT68	304A690	1	RESISTOR-LEAD ASSY
RT69	304A690	1	RESISTOR-LEAD ASSY
RT70	304A690	1	RESISTOR-LEAD ASSY
RT71	304A690	1	RESISTOR-LEAD ASSY
RT72	304A690	1	RESISTOR-LEAD ASSY
RT73	304A690	1	RESISTOR-LEAD ASSY
RT74	304A690	1	RESISTOR-LEAD ASSY
RT75	304A690	1	RESISTOR-LEAD ASSY
RT76	304A690	1	RESISTOR-LEAD ASSY
RT77	304A690	1	RESISTOR-LEAD ASSY
RT78	304A690	1	RESISTOR-LEAD ASSY
RT79	304A690	1	RESISTOR-LEAD ASSY
RT80	304A690	1	RESISTOR-LEAD ASSY
RT81	304A690	1	RESISTOR-LEAD ASSY
RT82	304A690	1	RESISTOR-LEAD ASSY
RT83	304A690	1	RESISTOR-LEAD ASSY
RT84	304A690	1	RESISTOR-LEAD ASSY
RT85	304A690	1	RESISTOR-LEAD ASSY
RT86	304A690	1	RESISTOR-LEAD ASSY
RT87	304A690	1	RESISTOR-LEAD ASSY
RT88	304A690	1	RESISTOR-LEAD ASSY
RT89	304A690	1	RESISTOR-LEAD ASSY
RT90	304A690	1	RESISTOR-LEAD ASSY
RT91	304A690	1	RESISTOR-LEAD ASSY
RT92	304A690	1	RESISTOR-LEAD ASSY
RT93	304A690	1	RESISTOR-LEAD ASSY
RT94	304A690	1	RESISTOR-LEAD ASSY
RT95	304A690	1	RESISTOR-LEAD ASSY
RT96	304A690	1	RESISTOR-LEAD ASSY
RT97	304A690	1	RESISTOR-LEAD ASSY
RT98	304A690	1	RESISTOR-LEAD ASSY
RT99	304A690	1	RESISTOR-LEAD ASSY
RT100	304A690	1	RESISTOR-LEAD ASSY



NOTE:
M2 IS GROUND AC LEAD
M1 & M3 HAVE .1 MFD CAPACITOR TO
GROUND IN GENERATOR

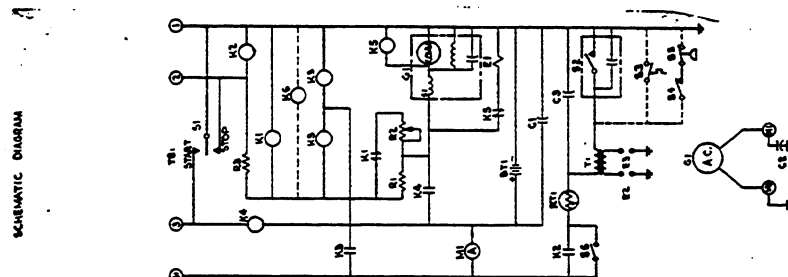
*WHEN USED

PRT DIS.	PRT NO.	QTY.	DESCRIPTION
B1	312A1R5	1	BATTERY
F1	3070R45	1	FUEL PUMP
SP	3070R52	1	SPARK PLUG
CH	3050R33	1	CHOKE
GP	308R29	1	GLOW PLUG
S1	304A463	1	SOLENOID
R1	304A690	1	RELAY
SW	304A690	1	SWITCH
M1	304A690	1	METER
G1	304A690	1	GENERATOR



NOTE:
UNLESS OTHERWISE NOTED,
COMPONENTS ARE SHOWN IN
DE-ENERGIZED POSITION

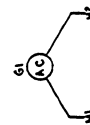
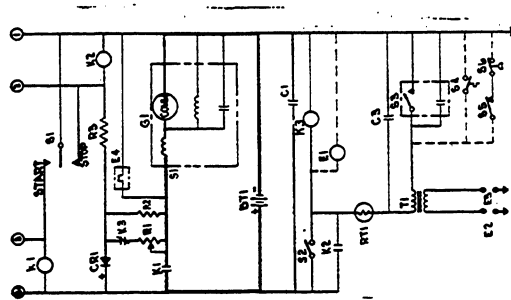
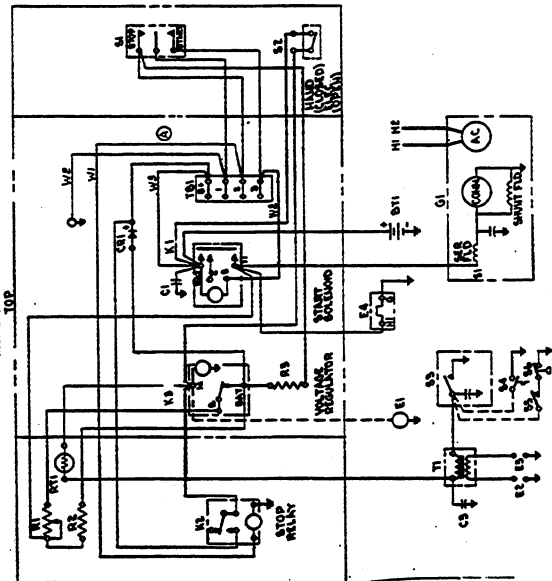
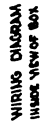
PRT DIS.	PRT NO.	QTY.	DESCRIPTION
B1	312A1R5	1	BATTERY
F1	3070R45	1	FUEL PUMP
SP	3070R52	1	SPARK PLUG
CH	3050R33	1	CHOKE
GP	308R29	1	GLOW PLUG
S1	304A463	1	SOLENOID
R1	304A690	1	RELAY
SW	304A690	1	SWITCH
M1	304A690	1	METER
G1	304A690	1	GENERATOR



*** - When Used.**

5. Discussion

[illegible]



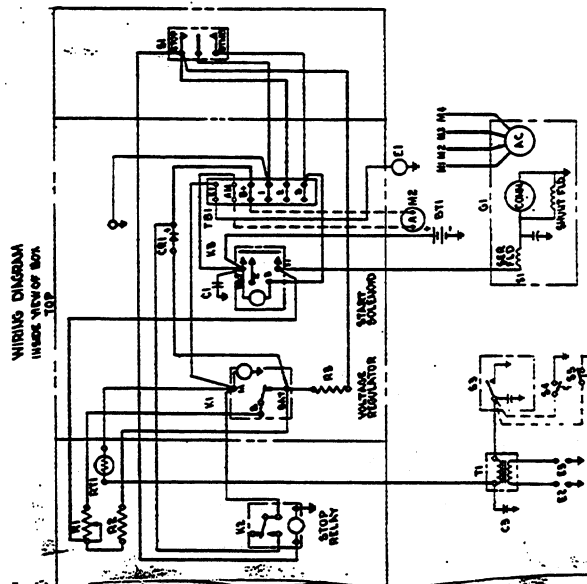
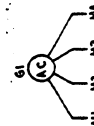
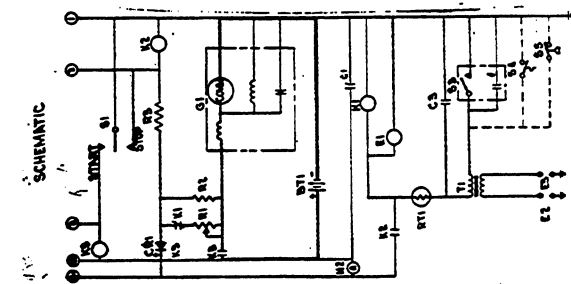
01401136672 014 1 4 5711 18
6733 37 0100479 51 28
:3102

REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A185	1	Capacitor Assembly
	305A494	1	Diode Assembly
CRI	305B235(Ref)	1	Diode, Reverse Current
	305A254(Ref)	1	Heat Sink
K1	307B845	1	Relay, Start Solenoid
	307A1120	1	Relay & Lead Assy-Stop
K2	307B253(Ref)	1	Relay, Stop
K3	305B383	1	Relay, 2-Step Voltage
	304A681	1	Resistor Assembly
R1	304A175(Ref)	1	Resistor, Adj., 1-Ohm, 50 Watt
R2	304A344	1	Resistor, Fixed, 1-Ohm, 25 Watt
	304A680	1	Resistor & Lead Assembly
RT1	304A60(Ref)	1	Resistor, 1.72-Ohm, 25 Watt
	308A294	1	Switch Assy., RMT Start
S1	308P154(Ref)	1	Switch, Start/Stop
R3	304A251(Ref)	1	Resistor, 30-Ohm, 5 Watt
	308A300	1	Switch & Lead Assembly
S2	308P2(Ref)	1	Switch (Hand/Elect. Start)
TB1	332A537	1	Terminal Block
	332A566	1	Marker Strip
W1	336A2024	1	Lead Assembly 16"
W2	336A1045	2	Lead Assembly 8"
W3	336A2023	1	Lead Assembly 12"
	301B3227	1	Bracket, Control Box Mtg.
	301D3228	1	Control Box
	301B3102	1	Cover
	508-1	3	Grommet
BT1	312A162	1	Battery, 12-Volt
C3		1	Capacitor, 0.1 MFD.
E1		1	Fuel Pump
E2, 3		2	Spark Plug
E4		1	Choke, Electric
G1		1	Generator
S3		1	Breaker & Cap Assembly
S4	309A2	1	Switch, High Air Temp.
S5	308-97	1	Switch
S6	309A10	1	Switch, Low Oil Pressure
TI		1	Ignition Coil (ONAN)

* - When Used.

*** - When Used.**

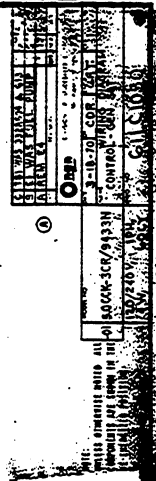
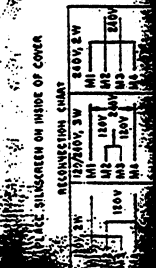
[illegible]



NOTE
W2 IS CAPACITOR AT LEAD
OTHERS HAVE 1 WFO CAPACITOR TO
COMMON IN CIRCUIT

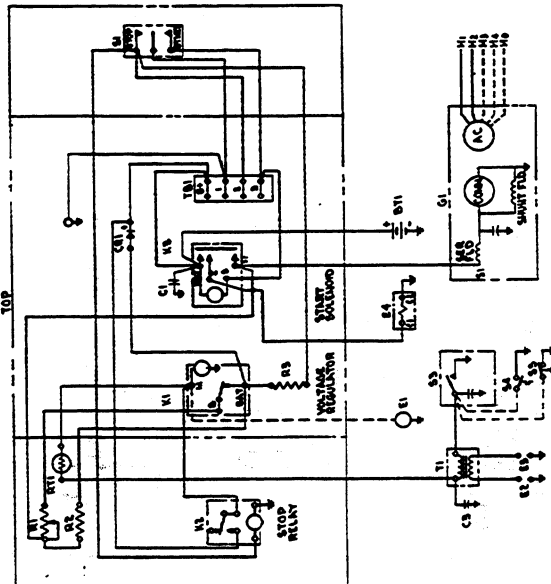
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A57	1	Capacitor, 1.0 MFD.
CR1	305B235	1	Diode, Reverse Current
	305A254	1	Heat Sink
K1	305B383	1	Relay, 2-Step Voltage Reg.
K2	307B253	1	Relay, Stop
K3	307B845	1	Relay, Start Solenoid
R1	304A175	1	Resistor, 1-Ohm, 50Watt, Adj.
R2	304A344	1	Resistor, 1-Ohm, 25Watt
R3	304A251	1	Resistor, 30-Ohm, 5Watt
RT1	304A60	1	Resistor, Hytemco, 1.72-Ohm, 25Watt
② TB1	308P154	1	Switch, Start/Stop
	332A699	1	Block, Terminal
	332A730	1	Strip, Marker
	301B3227	1	Bracket, Control Box Mtg.
	301D3294	1	Control Box
	301B3102	1	Cover
	332-142	1	Terminal
	508-1	3	Grommet
	517-19	1	Dot-Button
BT1		1	Battery, 12-Volt
C3	312A162	1	Capacitor, 0.1 MFD.
③ E1		1	Valve, Gas Solenoid
E2, 3		2	Spark Plug
G1		1	Generator
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch, High Air Temp.
*S5	309A10	1	Switch, Low Oil Press.
T1		1	Ignition Coil (ONAN)
M2		1	Ammeter (Furnished by Customer)

*** - When Used:**

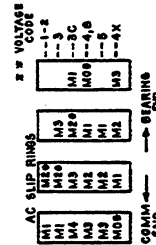


611C1054

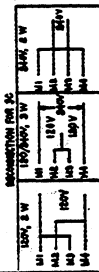
WIRING DIAGRAM
INSIDE VIEW OF BOX
TOP



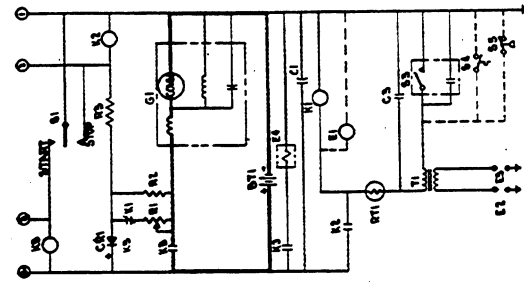
NOTE: 1. GROUND AS SHOWN
ON THIS SIDE OF BOX
IS COMMON TO ALL
WIRING IN BOX.



PLACE ENAMEL ON INSIDE OF COVER



SCHEMATIC



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
C1	312A57	1	Capacitor 1.0 MFD.
CR1	305B235	1	Diode, Reverse Current
	305A254	1	Heat Sink
K1	305B383	1	Relay, 2-Step Voltage Reg.
K2	307B253	1	Relay, Stop
K3	307B845	1	Relay, Start Solenoid
R1	304A175	1	Resistor, 1-Ohm, 50Watt, Adj.
R2	304A344	1	Resistor, 1-Ohm, 25 Watt
R3	304A251	1	Resistor, 30-Ohm, 5 Watt
RT1	304A60	1	Resistor, Hytemco, 1.72-Ohm, 25Watt
SI	308P154	1	Switch, Start/Stop
TBI	332A537	1	Block, Terminal
	332A566	1	Strip, Marker
	301B3227	1	Bracket, Control Box Mtg.
	301D3228	1	Control Box
	301B3102	1	Cover
	508-1	3	Grommet
	517-19	1	Dot - Button
BT1		1	Battery, 12-Volt
C3	312A162	1	Capacitor 0.1 MFD.
*E1		1	Fuel Pump
E2, 3		2	Spark Plug
E4		1	Choke, Electric
G1		1	Generator
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch, High Air Temp.
*S5	309A10	1	Switch, Low Oil Pressure
T1		1	Ignition Coil (ONAN)

* - When Used.

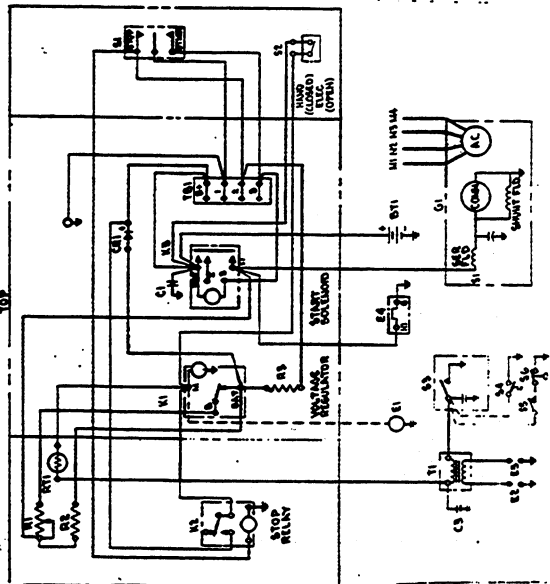
①

NOTE: 1. GROUND AS SHOWN
ON THIS SIDE OF BOX
IS COMMON TO ALL
WIRING IN BOX.

611C1054

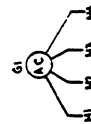
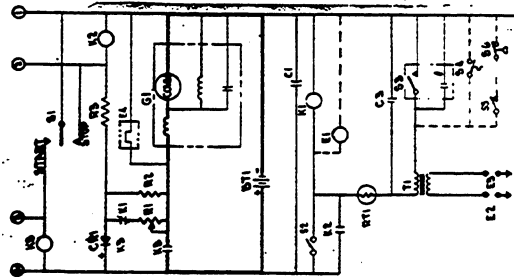
611C1061

WIRING DIAGRAM
INSIDE VIEW OF BOX



*BT1 IS CONNECTED TO BT2
OTHERS ARE NOT CONNECTED TO
GROUND IN OPERATION.

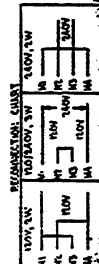
SCHEMATIC



REF. NO.	PART NO.	QTY. USED	PART DESCRIPTION
CI	312A57	1	Capacitor 1.0 MFD.
CRI	305B235	1	Diode, Reverse Current
	305A254	1	Heat Sink
K1	305B383	1	Relay, 2-Step Voltage Reg.
K2	307B253	1	Relay, Stop
K3	307B845	1	Relay, Start Solenoid
R1	304A175	1	Resistor, 1-Ohm, 50Watt, Adj.
R2	304A344	1	Resistor, 1-Ohm, 25Watt
R3	304A251	1	Resistor, 30-Ohm, 5Watt
RT1	304A60	1	Resistor, Hytenco, 1.72-Ohm, 25Watt
SI	308P154	1	Switch, Start/Stop
S2	308P2	1	Switch, Hand/Elect. Start
TBI	332A537	1	Block, Terminal
	332A566	1	Strip, Marker
	301B3227	1	Bracket, Control Box Mtg.
	301D3228	1	Control Box
	301B3102	1	Cover
	508-1	3	Grommet
BT1		1	Battery, 12-Volt
C3	312A162	1	Capacitor 0.1 MFD.
*E1		1	Fuel Pump
E2, 3		2	Spark Plug
E4		1	Choke, Electric
G1		1	Generator
S3		1	Breaker & Cap Assembly
*S4	309A2	1	Switch, High Air Temp.
*S5	308-97	1	Switch
*S6	309A10	1	Switch, Low Oil Pressure
T1		1	Ignition Coil (ONAN)

* - When Used.

PLACE SILVERSCREEN ON INSIDE OF COVER

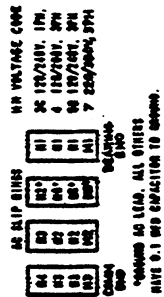
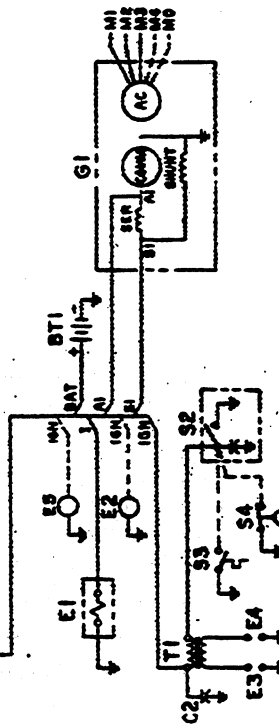
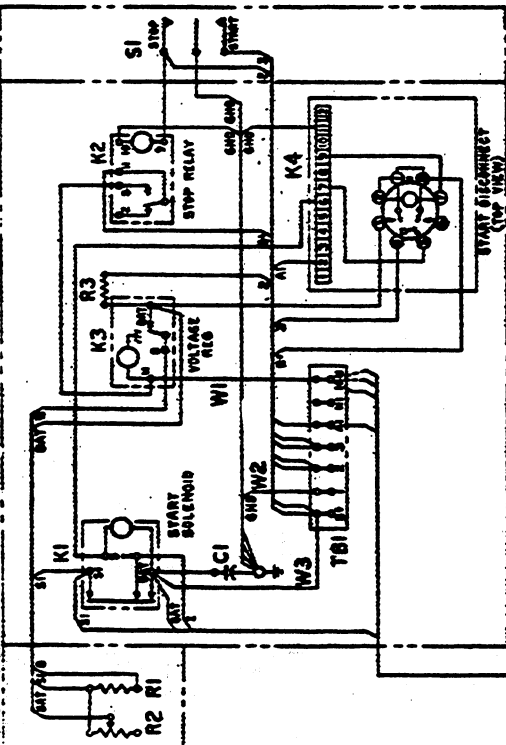


DATE	10/15/1961
BY	W. J. WILSON
FOR	CONTROL BOX SET (WIRING DIAGRAM)
NO.	120
REV.	1
APP.	W. J. WILSON
CHECKED	W. J. WILSON
APPROVED	W. J. WILSON

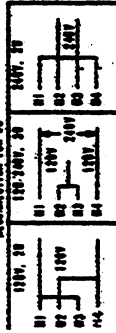
611C1079

WIRING DIAGRAM

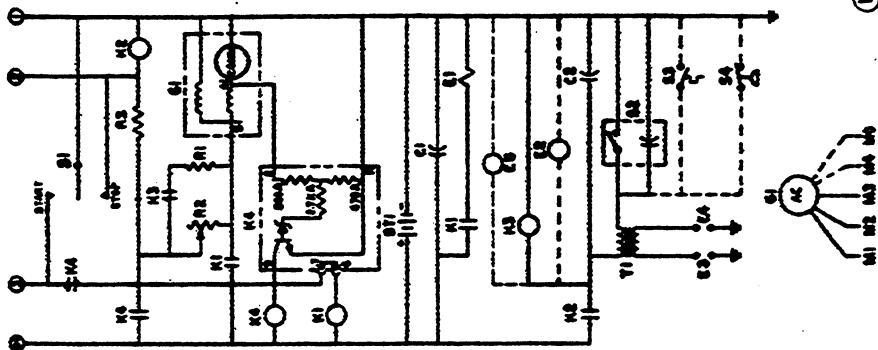
INSIDE VIEW OF BOX



PLACE DISCRETE ON LINE OF 0110



SCHEMATIC



611C1079

REF. DES.	PART NO.	QTY.	DESCRIPTION
C1	312A105	1	CAPACITOR ASSY
K1	312A57(REF)	1	RELAY-START SOLENOID
K2	307B045	1	RELAY-STOP
K3	307A145	1	RELAY-STOP
K4	307B1052(REF)	1	RELAY-2 STOP VOLTAGE REGULATOR
K5	3090303	1	RELAY ASSY-START DISC
K6	3060743	1	AMPLIFIER-START DISCONNECT
K7	300A734(REF)	1	SOCKET ASSY-START DISC
K8	323B018(REF)	1	RELAY-START DISCONNECT
K9	307B1070(REF)	1	RELAY-START DISCONNECT
K10	301A3306(REF)	1	SPRING
K11	301B3409	1	RESISTOR & BOX ASSY
K12	353A0(REF)	1	RESISTOR 60 50 W
K13	304A032(REF)	1	RESISTOR 60 100 W ADJ
K14	304A085	1	RESISTOR & LEAD ASSY
K15	304A751(REF)	1	RESISTOR 300 5 W
K16	308A313	1	SWITCH ASSY-START STOP
K17	308A154(REF)	1	SWITCH-START STOP
K18	322A745	1	BLOCK-TERMINAL
K19	332A1412	1	STRIP-HARKER
K20	336A1431	1	LEAD ASSY 8"
K21	336A2032	1	LEAD ASSY 3"
K22	336A2033	1	LEAD ASSY 6"
K23	336A2033	1	LEAD ASSY 6"
K24	301C3404	1	CONTROL BOX
K25	301B3405	1	COVER-CONTROL BOX
K26	331-86	2	GROUNDET
K27	308-4	1	GROUNDET
K28	98A1876	1	SILKSCREEN-RECONNECTION
K29	98A2322	1	SILKSCREEN-START STOP

611C1079

REF. DES.	PART NO.	QTY.	DESCRIPTION
B1	312A105	1	BATTERY 12V
C2	312A57(REF)	1	CAPACITOR 0.1 MFD
E1	307B045	1	CHOK-5550N
E2	307A145	1	PUMP-PLUG
E3	3090303	2	SOLENOID-FUEL
E4	3060743	1	GENERATOR
E5	300A734(REF)	1	BREAKER & CAP ASSY
G1	323B018(REF)	1	SWITCH-HIGH AIR TEMP
S2	307B1070(REF)	1	SWITCH-LOW OIL PRESS
S3	301A3306(REF)	1	COIL-IGNITION
T1	301B3409	1	RELAY-START DISCONNECT

• WHEN USED

REF. DES.	PART NO.	QTY.	DESCRIPTION
B1	312A105	1	BATTERY 12V
C2	312A57(REF)	1	CAPACITOR 0.1 MFD
E1	307B045	1	CHOK-5550N
E2	307A145	1	PUMP-PLUG
E3	3090303	2	SOLENOID-FUEL
E4	3060743	1	GENERATOR
E5	300A734(REF)	1	BREAKER & CAP ASSY
G1	323B018(REF)	1	SWITCH-HIGH AIR TEMP
S2	307B1070(REF)	1	SWITCH-LOW OIL PRESS
S3	301A3306(REF)	1	COIL-IGNITION
T1	301B3409	1	RELAY-START DISCONNECT

①

REF. DES.	PART NO.	QTY.	DESCRIPTION
B1	312A105	1	BATTERY 12V
C2	312A57(REF)	1	CAPACITOR 0.1 MFD
E1	307B045	1	CHOK-5550N
E2	307A145	1	PUMP-PLUG
E3	3090303	2	SOLENOID-FUEL
E4	3060743	1	GENERATOR
E5	300A734(REF)	1	BREAKER & CAP ASSY
G1	323B018(REF)	1	SWITCH-HIGH AIR TEMP
S2	307B1070(REF)	1	SWITCH-LOW OIL PRESS
S3	301A3306(REF)	1	COIL-IGNITION
T1	301B3409	1	RELAY-START DISCONNECT

611C1111

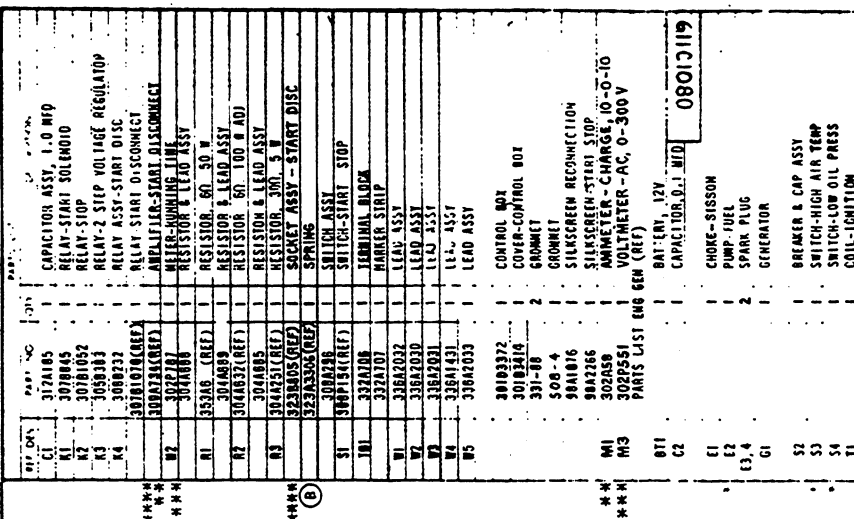
②

REF. DES.	PART NO.	QTY.	DESCRIPTION
B1	312A105	1	BATTERY 12V
C2	312A57(REF)	1	CAPACITOR 0.1 MFD
E1	307B045	1	CHOK-5550N
E2	307A145	1	PUMP-PLUG
E3	3090303	2	SOLENOID-FUEL
E4	3060743	1	GENERATOR
E5	300A734(REF)	1	BREAKER & CAP ASSY
G1	323B018(REF)	1	SWITCH-HIGH AIR TEMP
S2	307B1070(REF)	1	SWITCH-LOW OIL PRESS
S3	301A3306(REF)	1	COIL-IGNITION
T1	301B3409	1	RELAY-START DISCONNECT

611C1111

**WIRING DIAGRAM
INSIDE VIEW OF BOX**

SCHEMATIC



0150 HIGH

NOTE: VOLT-METER INOPERATIVE!
240V. 2W CONNECTION

PLACE SILKSCREEN ON INSIDE OF COVER

***** VOLTAGE CODE**

3C 120/240V, 1PH. (A)

COMB
END

RECEIVED

...GROWN AS LONG, ALL OTHERS
HAVE 0.1 MFD CAPACITOR TO GROUND.

NOTE:

1. CONNECT RUNNING TIME METER
TO LEADS M1 & M2 FOR A 3CR GEN &
TO LEADS M1 & M0 FOR A 5DR GEN
2. CONNECT VOLT METER
TO LEADS M1 & M4 FOR A 3CR GEN &
TO LEADS M1 & M2 FOR A 5DR GEN

CLASS	DATE	TIME	BY
151	12-17-71	10:00	W

D. WAS 1201P
 C. MOVED FROM RM 42 TO M3
 B. ANDER 2 KA (DEEP) DINGS
 A. ADD 3ER GEN & CONNECTIONS

CONTROL - GEN SET
 (WIRING DIAGRAM)
 611C1080

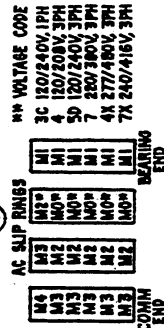
4-26-71 CDR
 HUNTSVILLE

65NH-#B/10760C

12 V REMOTE:

HUNTSVILLE

WIRING DIAGRAM



DASH NO	CHOKE	MODEL	WIRING HARNESS	CONTROL ASSY
-01	SILSON CHOKE	CKK NH	336D640	300D1000
-02	ORAN CHOKE	CKK	336D691	300D1000
-03	NO CHOKE	GAS CARB	330D0774	300D1108
-04	NO CHOKE	HATKO GAS	336D0775	300D1108
-05	SILSON PUMP	CKK NH	336D0776	300D1108

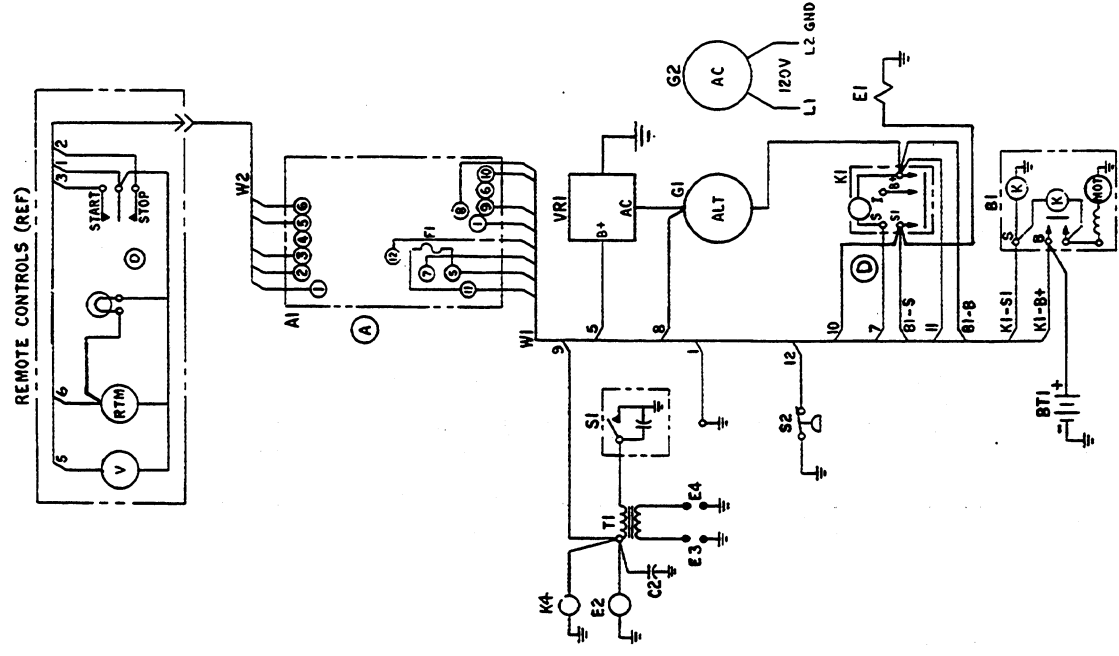
5.5NH - WWR/12000D
35042CCK - WWR/12000R
120/240V., 1PH 50HZ
4W.,

REF DES.	PART NO.	QTY	DESCRIPTION
	SEE TAB	1	CONTROL ASSY
A1	300C459(REF)	1	CONTROL-GRN SET ASSY
A2	300D085(REF)	1	CONTROL-START SWITCH (4 TO 3 WIRE)
S4		1	SWITCH-START STOP (CUSTOMER REMOTE)
B1	SEE TAB	1	WIRING HARNESS
F3	RELAY CO	1	MOLDER ASSY - FUSE
	BU10M (ORD)	1	
A3	300H227(REF)	1	CONTROL-DISC ADPTR
			PARTS LIST ENG GRN (REF)
B11		1	BATTERY-12 VDC
C1		1	CAPACITOR-0.1 MFD
E1		1	PUMP-FUEL (WHEN USED)
E2-E3		2	SPARK PLUG
E4		1	CHOKE-SILICON(WHEN USED)
E5		1	CHOKE-PMW (WHEN USED)
G1		1	GENERATOR
H1	307-17	1	0100-2A
J1	307-27	1	RESISTOR
K1	307D110	1	RELAY-START SOLENOID
L1	311P165	1	MOLDER ASSY-FUSE
N2		1	SOLENOID-TURN ON
O1	107H1587	1	LED LIGHT-RED TURN ON
P2	107H1550	1	LED ASSY-RED TURN ON
R1	304-10	1	RESISTOR-WATERG T.TAD, 210
S1		1	SWITCH LOW OIL PRESS
S2		1	SWITCH-LOW AIR TEMP (WHEN USED)
S3		1	SWITCH-HIGH AIR TEMP (WHEN USED)
S4		1	SWITCH-HIGH WATER TEMPT STOP
T1		1	COIL-IGNITION
			611C1066

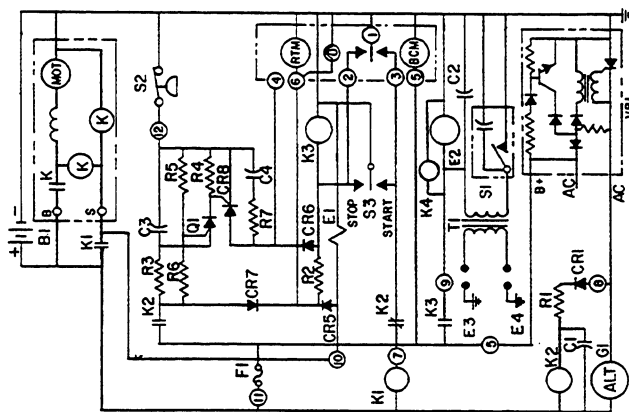
[illegible]

611C1094

WIRING DIAGRAM



SCHEMATIC



NOTE: 1. MIN START DISCONNECTS 675 RPM.

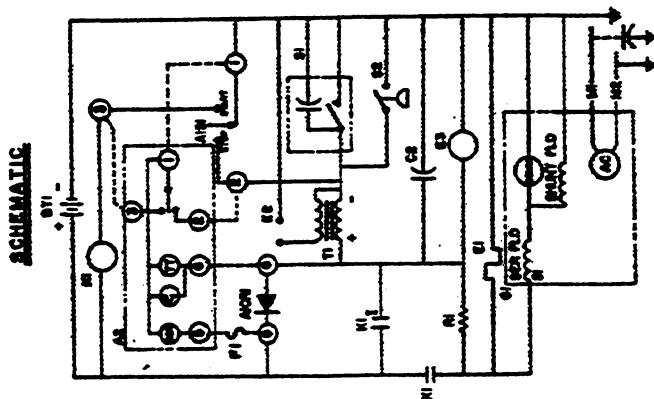
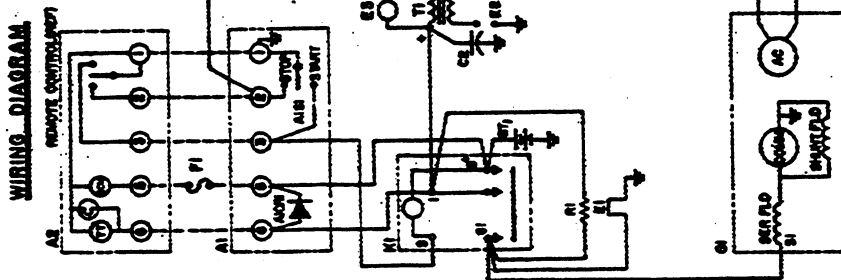
REF. DES.	PART NO.	QTY.	DESCRIPTION
A1	300C845	1	CONTROL ASSY-GEN SET
B1		1	CONTROL-HOT HOME
BT1		1	STARTER-SOLENOID SHIFT
C2		1	BATTERY-12 VOLT
E1		1	CAPACITOR
E2		1	CHOKE
E3.4		2	FUEL PUMP
G1		1	SPARK PLUG
K1		1	ALTERNATOR
K2		1	SOLENOID-START
K3		1	BREAKER & CAP ASSY
K4		1	SWITCH-LOW OIL PRESS
K5		1	SOLENOID - FUEL
T1		1	COIL-IGNITION
VRI		1	VOLTAGE REGULATOR
W1		1	WIRING HARNESS-GEN SET
W2		1	WIRING HARNESS-REMOTE

54

D WAS KI-3, TO KI-51	10/27/70-1125
C WAS K2	10/27/70-1125
D REVISED CIRCUIT	10/27/70-1125
C ADD FUEL SOLENOID	10/27/70-1125
C NEW SCHEMATIC	10/27/70-1125
A REVISED A1 IN W1 & SCHEM	10/27/70-1125
A REVISED A1 IN W1 & SCHEM	10/27/70-1125
REVISION	DATE
1	10/27/70
2	10/27/70
3	10/27/70
4	10/27/70
5	10/27/70
6	10/27/70
7	10/27/70
8	10/27/70
9	10/27/70
10	10/27/70
11	10/27/70
12	10/27/70
13	10/27/70
14	10/27/70
15	10/27/70
16	10/27/70
17	10/27/70
18	10/27/70
19	10/27/70
20	10/27/70
21	10/27/70
22	10/27/70
23	10/27/70
24	10/27/70
25	10/27/70
26	10/27/70
27	10/27/70
28	10/27/70
29	10/27/70
30	10/27/70
31	10/27/70
32	10/27/70
33	10/27/70
34	10/27/70
35	10/27/70
36	10/27/70
37	10/27/70
38	10/27/70
39	10/27/70
40	10/27/70
41	10/27/70
42	10/27/70
43	10/27/70
44	10/27/70
45	10/27/70
46	10/27/70
47	10/27/70
48	10/27/70
49	10/27/70
50	10/27/70
51	10/27/70
52	10/27/70
53	10/27/70
54	10/27/70
55	10/27/70
56	10/27/70
57	10/27/70
58	10/27/70
59	10/27/70
60	10/27/70
61	10/27/70
62	10/27/70
63	10/27/70
64	10/27/70
65	10/27/70
66	10/27/70
67	10/27/70
68	10/27/70
69	10/27/70
70	10/27/70
71	10/27/70
72	10/27/70
73	10/27/70
74	10/27/70
75	10/27/70
76	10/27/70
77	10/27/70
78	10/27/70
79	10/27/70
80	10/27/70
81	10/27/70
82	10/27/70
83	10/27/70
84	10/27/70
85	10/27/70
86	10/27/70
87	10/27/70
88	10/27/70
89	10/27/70
90	10/27/70
91	10/27/70
92	10/27/70
93	10/27/70
94	10/27/70
95	10/27/70
96	10/27/70
97	10/27/70
98	10/27/70
99	10/27/70
100	10/27/70

4.08F-IR/9000	120V, 1 PH, 3 W, 60 Hz
6.08F-IR/9000	

611C1094



NOTE:
1. FUSE (BAMP) TO BE SUPPLIED BY CUSTOMER TO PROTECT AGAINST ACCIDENTAL GROUNDING

REF. DES.	PART NO.	QTY.	DESCRIPTION
A1	300C1035	1	CONTROL ASSY- GEN SET
A1C1	357-0022	1	DIODE ASSY (REF)
A1S1	308-0345	1	SWITCH-TORQUE (REF)
A2	300-0986	1	REMOTE CONTROL (REF)
B11		1	BATTERY-12V
C2		1	CAPACITOR
E1		1	CHOKE - ONAN
E2		1	SWIRL PLUG
E3	307A1303	1	VALVE-ENGINE FUEL (REF)
G1		1	GENERATOR
K1		1	SOLENOID - START
R1	353B0080	1	RESISTOR ASSY (REF) 10 ± 5% 0.1W 45W
S1		1	BREAKER & CAP ASSY
S2	309P0237	1	SWITCH - LOW OIL PRESS (REF)
T1		1	COIL-IGNITION
F1	SEE NOTE #1		

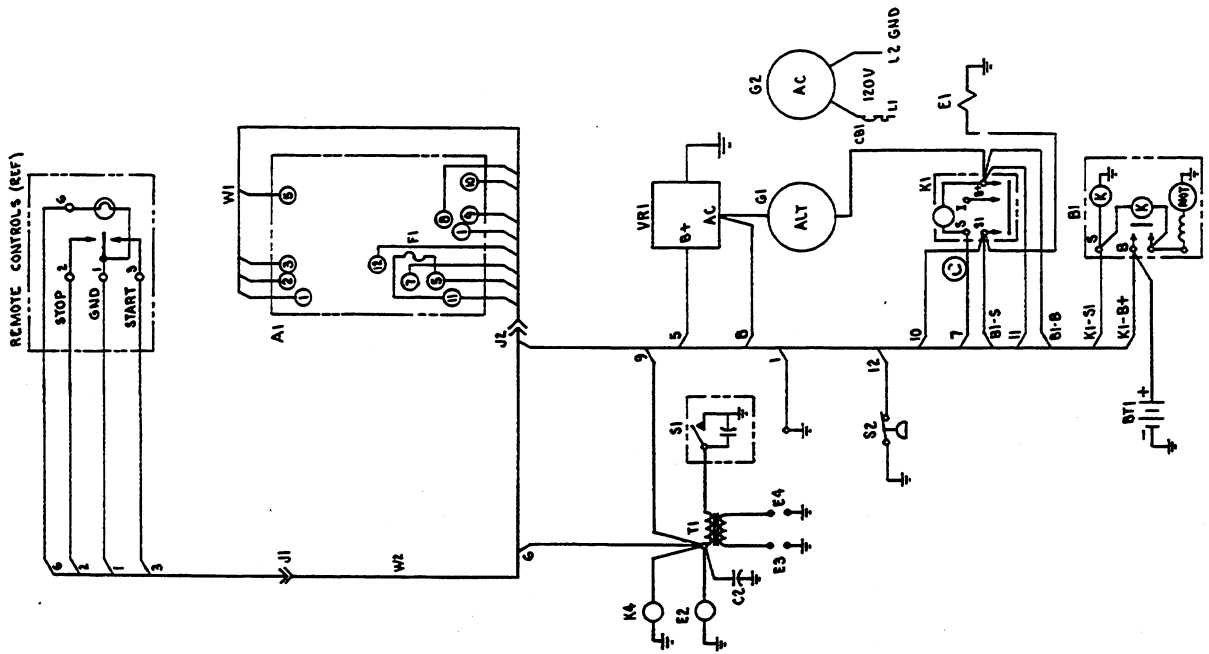
[illegible]

2.7AJ-HR/1E020K	2.7AJ-HR/1E020K
-----------------	-----------------

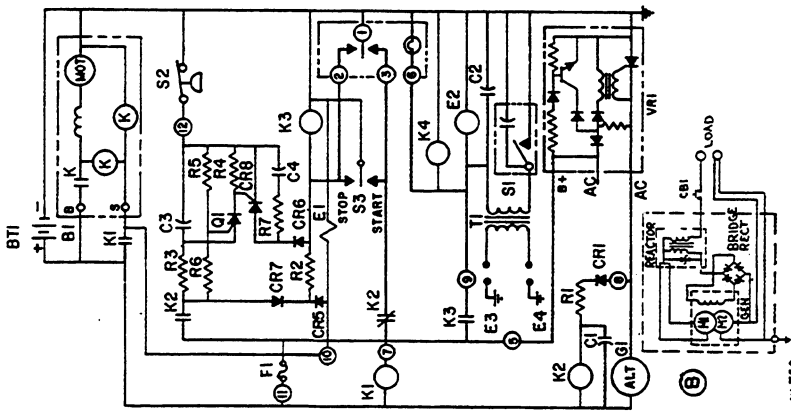
611-1106	C
----------	---

611-1109

WIRING DIAGRAM



SCHEMATIC



NOTES:
1. DELUXE REMOTE CONTROL (330-0886(2)) MAY BE USED IF AN ADDITIONAL WIRE FROM TERMINAL 5 OF 12 TO TERMINAL 5 OF DELUXE REMOTE CONTROL IS ADDED.

2. ON 4.0 BF-18/9500 AND 6.0 NH-18/9500 J1 IS ELIMINATED AND THE ADDITIONAL WIRE FOR THE DELUXE REMOTE CONTROLS IS PROVIDED.

3. MIN START DISCONNECT = 675 RPM.

REF. DES.	PART NO.	QTY	DESCRIPTION
A1	300-1075	1	CONTROL ASST-GEN SET
B1		1	STARTER-SOLENOID SHIF
C2		1	BATTERY-12 VOLT
E1		1	CAPACITOR
E2		1	CHOKE
E3.4		2	FUEL PUMP
G1		1	SPARK PLUG
G2		1	ALTERNATOR
K1		1	GENERATOR
K4		1	SOLENOID-START
S1		1	SOLENOID-FUEL
S2		1	BREAKER & CAP ASSY
T1		1	SWITCH-LOW OIL PRESS
V1		1	COIL-IGNITION
V2		1	VOLTAGE REGULATOR
W1		1	WIRING HARNESS-GEN SET
W2		1	WIRING HARNESS-REMOTE
J1		1	CONNECTOR 4 CRT
J2		1	CONNECTOR 12 CRT
CBI		1	CIRCUIT BREAKER (40A 48P)
		1	(80A 8HH)

6011-1109

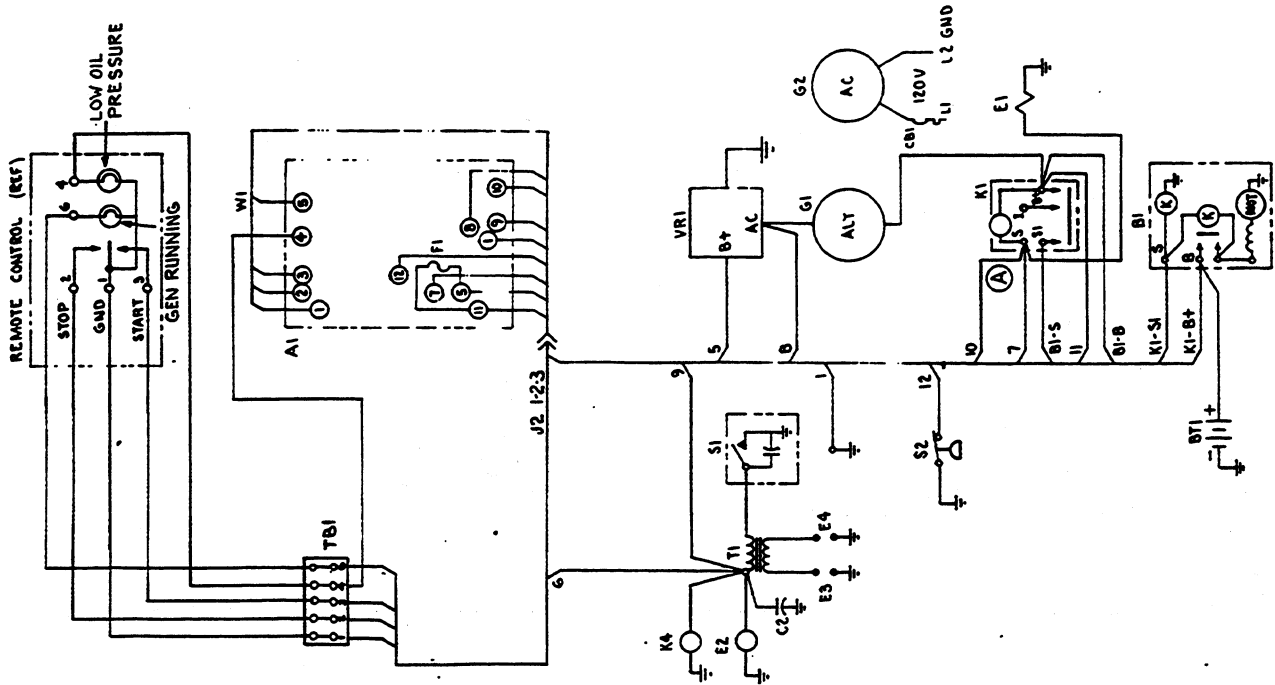
C1 WAS KI-1, TO KI-51	6011-1109
B1 ADDED AC TO 5-CHEMTR	6011-1109
A1 CBI ADDED	6011-1109
REVISION	6011-1109
DATE	6011-1109
BY	6011-1109
CHECKED	6011-1109
APPROVED	6011-1109
6011-1109	6011-1109

MOORE NO.	4.0 BF-18/9500
4.0 BF-18/9500	6.0 NH-18/9500
6.0 NH-18/9500	120V, 1PH, 3W, 60 HZ
120V, 1PH, 3W, 60 HZ	

611-1121

WIRING DIAGRAM

SCHEMATIC



NOTE:
1. MIN START DISCONNECT = 6.75 RPM

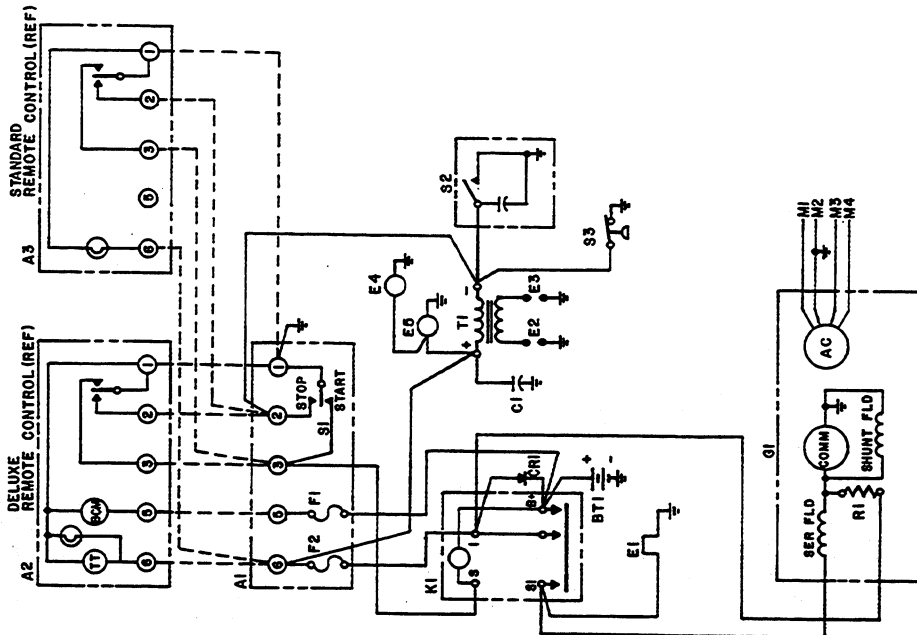
REF. DES.	PARTY NO.	QTY	DESCRIPTION
A1	300-1075	1	CONTROL ASST-GEN SET
B1		1	CONTROL-NOT HOME
B11		1	STARTER-SOLENOID SHIF
B2		1	BATTERY-12 VOLT
E1		1	CHOKE
E2		1	FUEL PUMP
E3		2	SPARK PLUG
G1		1	ALTERNATOR
G2		1	GENERATOR
K1		1	SOLENOID-START
K2		1	BREAKER & GAP ASST
K3		1	SWITCH-LOW OIL PRESS
K4		1	COIL-IGNITION
S1		1	VOLTAGE REGULATOR
S2		1	WIRING HARNESS-GEN SET
VR1		1	REMOTE TERMINAL BLOCK
TBI		1	CONNECTOR 12 CKT
J2		1	CIRCUIT BREAKER (40A 4BF)
CBI		1	

611-1121

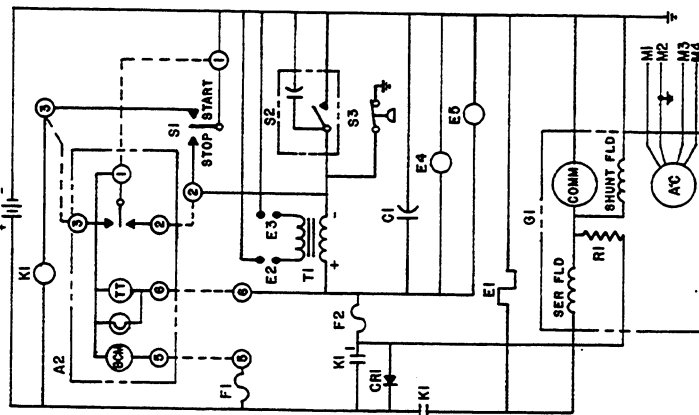
ATWAS KI-1 TO KI-51 (8/2/83)		Revision	
Ogn		Division of Light Aircraft Corporation	
1-2-75	Q2	1-2-75	Q2
CONTROL-GEN SET		(WIRING DIAGRAM)	
4.0 BF-1R/15203C		120V, 1PH, 3W, 60 Hz	
611-1121		HUNTSVILLE	

611-1123 C

WIRING DIAGRAM



SCHEMATIC



OPTION
OPTION
OPTION

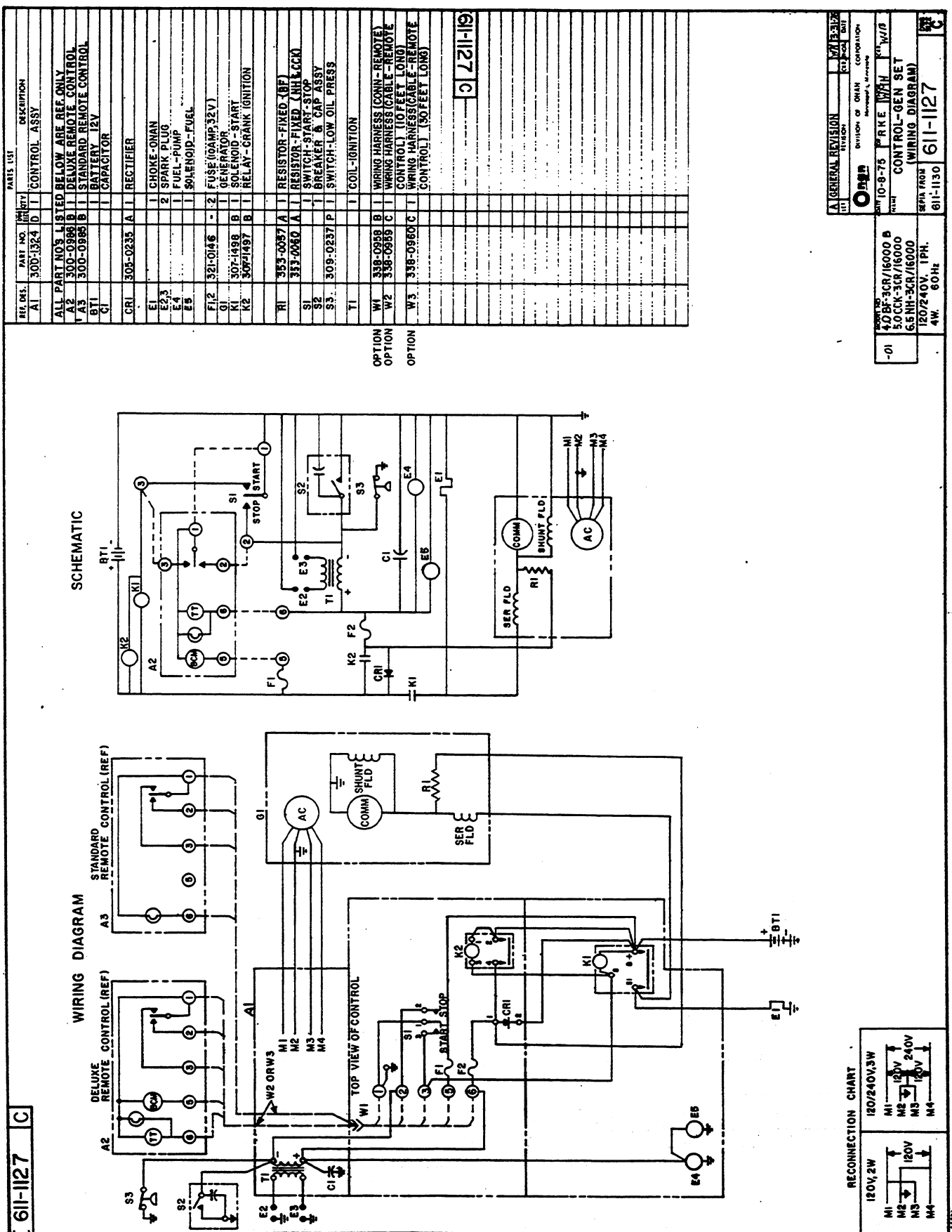
REF. DES.	PART NO.	QTY	DESCRIPTION
A1	300-1285	1	CONTROL ASSY
A2	300-0988	1	DELUXE REMOTE CONTROL (REF)
A3	300-0989	1	STANDARD REMOTE CONT (REF)
BT1		1	BATTERY 12V
CI		1	CAPACITOR
CRI	358-0072	1	DIODE ASSY (REF)
E1		1	CHOKE-ONAN
E2		2	SPARK PLUG
E4	307-1457	1	SOLENOID-FUEL (REF)
E5	149-1304	1	FUEL-PUMP (REF)
F1	321-0194	2	FUSE (9 AMP 32V) (REF)
GI		1	GENERATOR
K1		1	SOLENOID-START
R1	353-0057	1	RESISTOR FIXED (REF)
S1		1	SWITCH-START-STOP
S2		1	BREAKER & CAP ASSY
S3	309-0237	1	SWITCH-LOW OIL PRESS (REF)
TI		1	COIL-IGNITION
W1	338-0958	1	WIRING HARNESS (CONN-REMOTE) (REF)
W2	338-0959	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W3	338-0960	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W4	338-0961	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W5	338-0962	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W6	338-0963	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W7	338-0964	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W8	338-0965	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W9	338-0966	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W10	338-0967	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W11	338-0968	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W12	338-0969	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W13	338-0970	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W14	338-0971	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W15	338-0972	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W16	338-0973	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W17	338-0974	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W18	338-0975	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W19	338-0976	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W20	338-0977	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W21	338-0978	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W22	338-0979	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W23	338-0980	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W24	338-0981	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W25	338-0982	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W26	338-0983	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W27	338-0984	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W28	338-0985	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W29	338-0986	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W30	338-0987	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W31	338-0988	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W32	338-0989	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W33	338-0990	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W34	338-0991	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W35	338-0992	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W36	338-0993	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W37	338-0994	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W38	338-0995	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W39	338-0996	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W40	338-0997	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W41	338-0998	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W42	338-0999	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W43	338-1000	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W44	338-1001	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W45	338-1002	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W46	338-1003	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W47	338-1004	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W48	338-1005	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W49	338-1006	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W50	338-1007	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W51	338-1008	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W52	338-1009	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W53	338-1010	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W54	338-1011	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W55	338-1012	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W56	338-1013	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W57	338-1014	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W58	338-1015	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W59	338-1016	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W60	338-1017	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W61	338-1018	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W62	338-1019	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W63	338-1020	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W64	338-1021	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W65	338-1022	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W66	338-1023	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W67	338-1024	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W68	338-1025	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W69	338-1026	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W70	338-1027	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W71	338-1028	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W72	338-1029	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W73	338-1030	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W74	338-1031	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W75	338-1032	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W76	338-1033	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W77	338-1034	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W78	338-1035	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W79	338-1036	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W80	338-1037	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W81	338-1038	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W82	338-1039	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W83	338-1040	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W84	338-1041	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W85	338-1042	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W86	338-1043	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W87	338-1044	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W88	338-1045	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W89	338-1046	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W90	338-1047	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W91	338-1048	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W92	338-1049	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W93	338-1050	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W94	338-1051	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W95	338-1052	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W96	338-1053	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W97	338-1054	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W98	338-1055	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W99	338-1056	1	WIRING HARNESS (CABLE-REMOTE) (REF)
W100	338-1057	1	WIRING HARNESS (CABLE-REMOTE) (REF)

611-1123 C

COMPLETED MODEL NO.	NO. 111	DATE	10-1-75
DIVISION	ENGINEERING	DATE	10-1-75
DESIGNER	ENGINEERING	DATE	10-1-75
CHECKED	ENGINEERING	DATE	10-1-75
APPROVED	ENGINEERING	DATE	10-1-75
DATE	10-1-75	TIME	10-1-75
CONTROL-GEN SET			
(WIRING DIAGRAM)			
DATE	10-1-75	TIME	10-1-75
611-1123			

ADDITIONAL	4-0BF-3CR/16002A
120/240V. 1PH.	
4W. 60Hz	

RECONNECTION CHART	
120V. 2W	120/240V. 3W
M1	M1
M2	M2
M3	M3
M4	M4



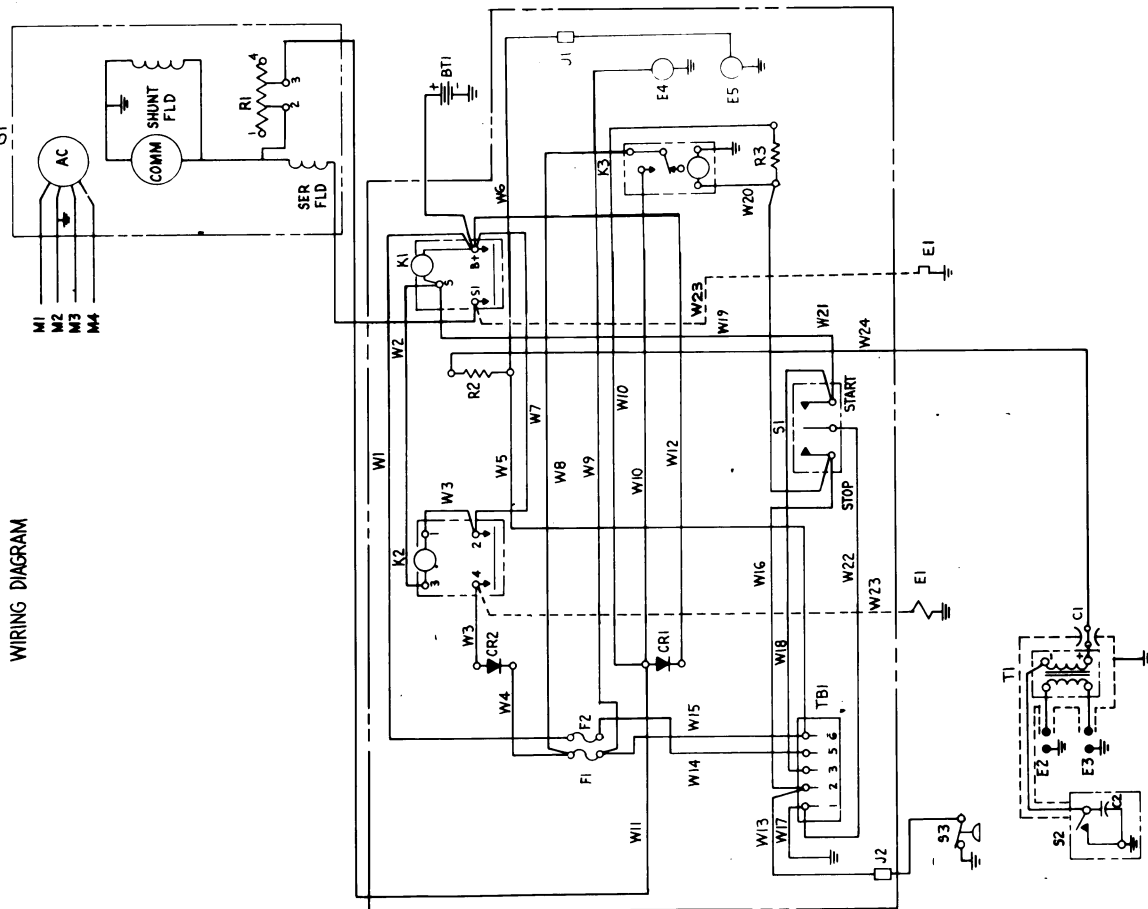
WIRING DIAGRAM

SCHEMATIC

PARTS LIST

REF	DES	PART NO	QTY	DESCRIPTION
A1	300-1439	C	1	CONTROL ASSY -O1
A1	300-1522	C	1	CONTROL ASSY -O2
B11	ALL NOS BELOW			BATTERY 12V
C1	ARE REF ONLY			CAPACITOR-FEED THRU
CR1	305-0235	A	1	RECTIFIER
CR2	352-0030	A	1	RECTIFIER
E1	CHOKE	SSON	-O1	
E2	149-1245	P	2	SPARK PLUG
E4	307-1340	A	1	FUEL-PUMP
F1	321-0146	-	2	FUSE (10 AMP, 32V)
G1	307-1498	B	1	SOLENOID
K1	307-1497	B	1	RELAY-CRANK IGNITION
R1	353-0047	A	1	RESISTOR-FIXED
R2	304-0060	A	1	RESISTOR-FIXED
R3	304-0217	A	1	RESISTOR-FIXED
S1	308-0383	A	1	SWITCH-START STOP
S2	308-0237	P	1	BREAKER & CAP ASSY
S3	308-0237	P	1	SWITCH-LOW OIL PRESS
T1	332-1918	A	1	COIL-IGNITION
T1	332-1918	A	1	TERMINAL BLOCK
C2	321-0217	P	2	HOLDER-FUSE
E1	CHOKE	ONAN	-O2	
K3	RELAY	IGN		

611-1134



G1	ADDED	1	RELAY	W1	1	1
F1	PEW LINE	PC1	1	2	1	1
E1	PEW	QTY	WAS	2	1	1
D1	3	QTY	WAS	2	1	1
C1	ADDED	-O2	5.5NH	W1	1	1
B1	ADDED	E1	-O2	W1	1	1
A1	ADDED	300-1522		W1	1	1

C

-O2 5.5NH-53BR/16009J

110/220 1PH
4W, 60 HZ

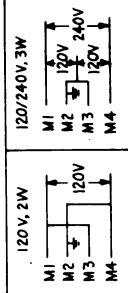
6.5NH-3CR/17198D

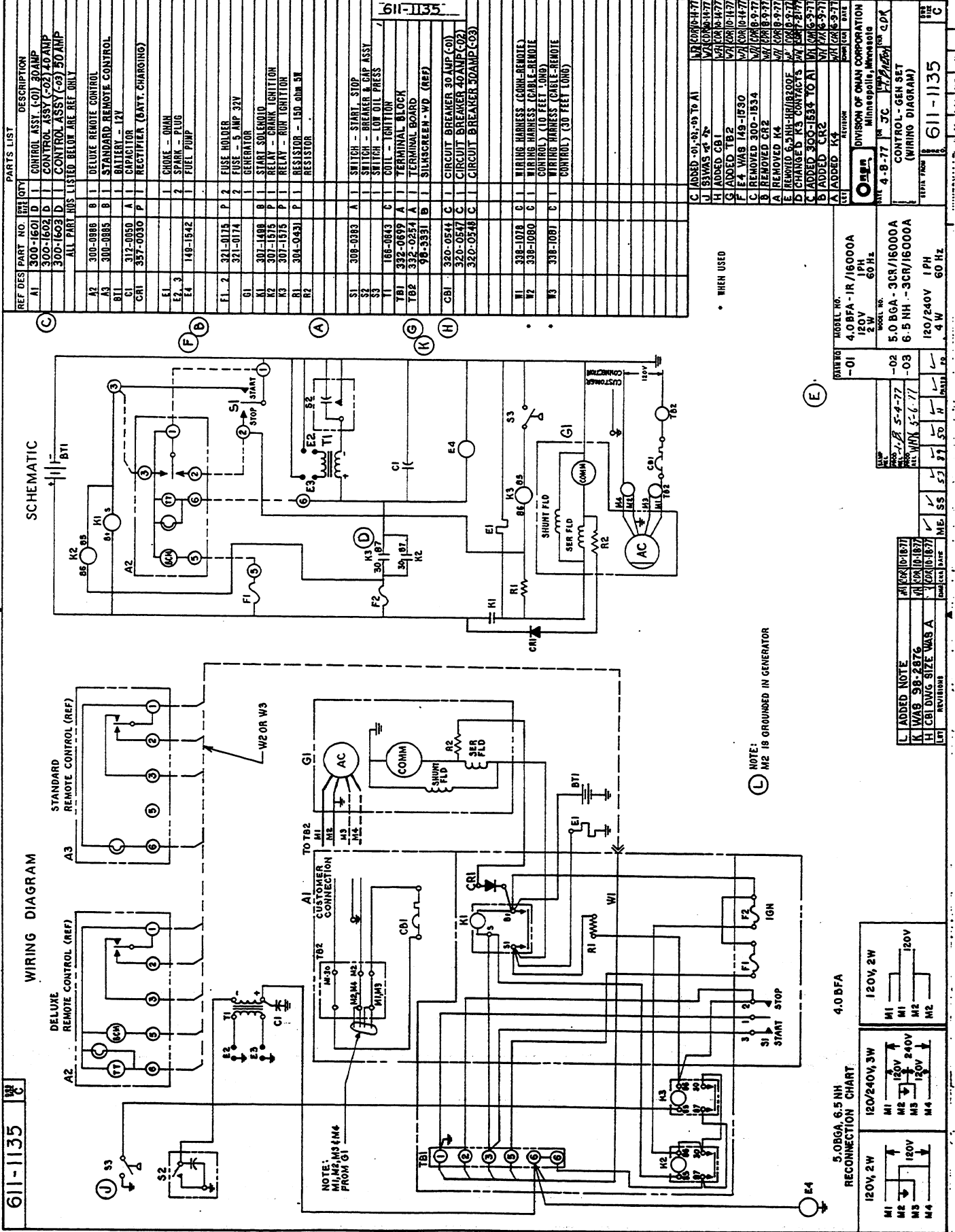
120/240 1PH
4W, 60 HZ

HUNTSVILLE

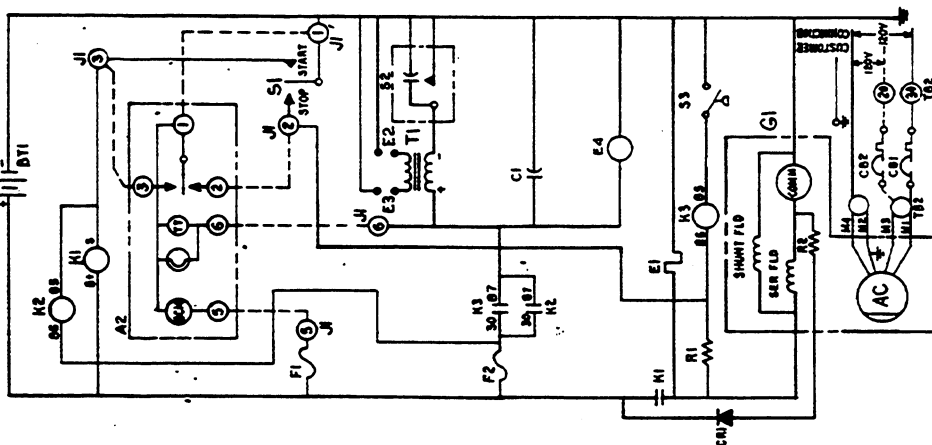
611-1134

RECONNECTION CHART





SCHEMATIC



NOTE:
L M2 IS GROUNDED IN GENERATOR

• WHEN USED

REF DES	PART NO.	QTY	DESCRIPTION
A1	300-1541 D	1	CONTROL ASSY. -O1
	300-1542 D	1	CONTROL ASSY -O2
	ALL PART NOS LISTED BELOW ARE REF ONLY		
A2	300-0886 B	1	DELUXE REMOTE CONTROL
A3	300-0885 B	1	STANDARD REMOTE CONTROL
B1		1	BATTERY - 121
C1	312-0050 A	1	CAPACITOR
C81	320-0944 C	1	CIRCUIT BREAKER 30AMP (-O1.-O2)
C82	320-0892 A	1	CIRCUIT BREAKER 30AMP (-O2)
C81	327-0030 P	1	RECTIFIER (BATT. CHARGING)
E1		1	CHARGE - ONAN
E2, 3		2	SPARK - PLUG
E4	149-1847 B	1	FUEL PUMP
F1, 2	321-0125 P	2	FUSE HOLDER
G1	321-0174	2	FUSE - 5 AMP 32V
H1		1	GENERATOR
K1	307-1490 B	1	START SOLENOID
K2	307-1575 P	1	RELAY - CRANK IGNITION
K3	307-1575 P	1	RELAY - RUN IGNITION
R1	304-0431 P	1	RESISTOR - 150 OHM 5W
R2		1	RESISTOR
J1	353-0440 C	1	SOCKET PLUG REMOTE
S1	308-0393 A	1	SWITCH - START, STOP
S2		1	SWITCH - BREAKER 1 CAP ASSY
S3		1	SWITCH - LOW OIL PRESS
T1	166-0643 C	1	COIL - IGNITION
Y82	98-3331 B	1	SILVERGREEN - WD (REF)
	332-0284 A	1	TERMINAL BOARD
W1	330-1078 C	1	WIRING HARNESS (COHL-REMOTE)
W2	330-1080 C	1	WIRING HARNESS (CABLE-REMOTE)
		1	CONTROL (110 FEET LONG)
W3	330-1081 C	1	WIRING HARNESS (CABLE-REMOTE)
		1	CONTROL (130 FEET LONG)

[illegible]

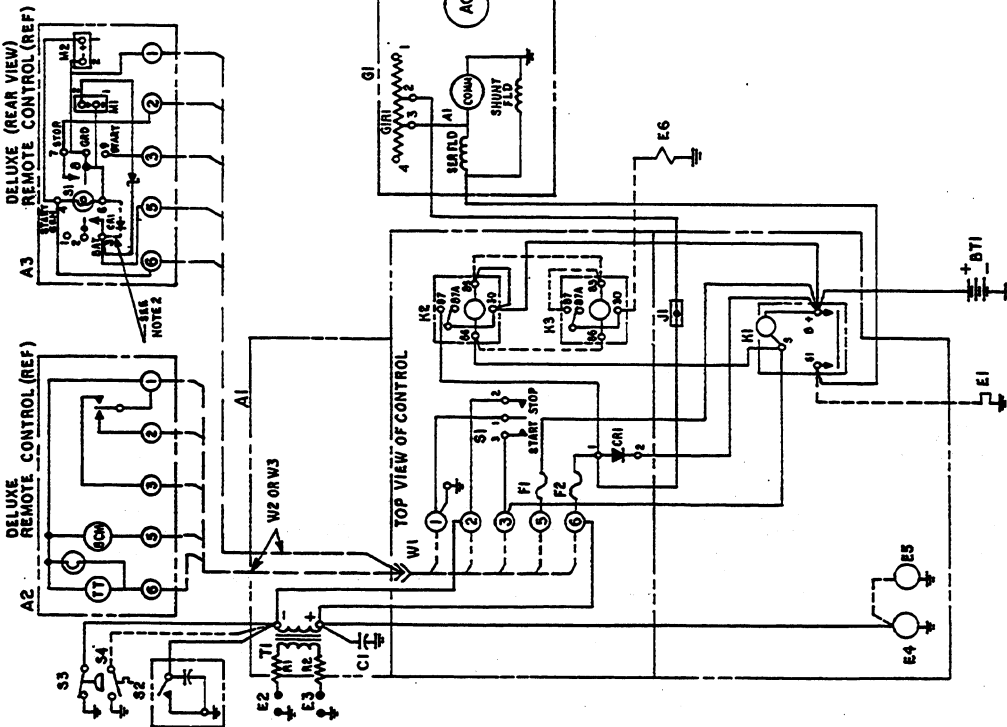
MODEL NO	-01	4.08FA-1R/16019A	120V.	1PH
	-02	5.08GA-3CR/16019A 6.5NH-3CR/16019K	4W	60Hz

[illegible]

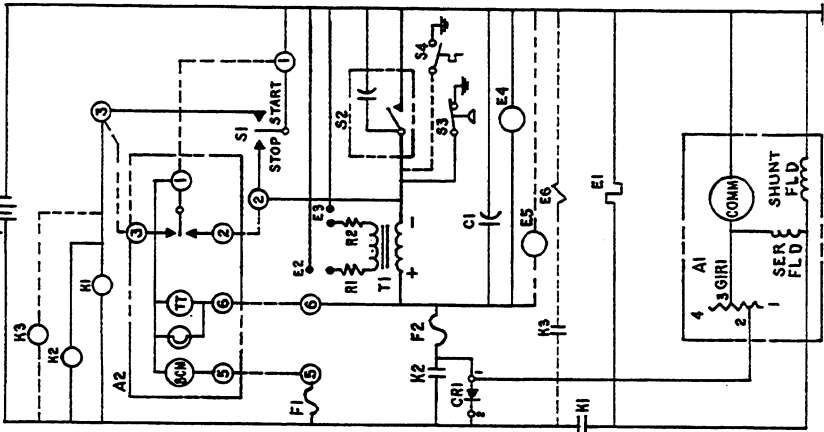
RECONNECTION CHART	
5.0BGA, 6.5NH	4.0BFA

611-1141

WIRING DIAGRAM



SCHEMATIC



PARTS LIST

REF	DES	PART NO.	QTY	DESCRIPTION
A1		300-0859	1	CONTROL ASSY -01, -02
K3		307-0811	1	RELAY & LEAD ASSY -02 (SEE NOTE 3)
ALL PART NOS BELOW ARE REF ONLY				
A2		300-0880	1	DELUXE REMOTE CONTROL
A3		300-0843	1	DELUXE REMOTE CONTROL
B1		300-0843	1	BATTERY 12V
C1		305-0335	1	CAPACITOR
E1		305-0335	1	RECTIFIER
E2, E3		305-0335	2	CHORE - ONNH
E4		305-0335	1	FUEL PUMP
E5		305-0335	1	SOLENOID - FUEL (WHEN USED)
E6		305-0335	1	CHORE - S1SSON (-02)
F1, F2		321-0174	2	FUSE (5 AMP, 32 V)
G1		333-0047	1	GENERATOR
G1H1		333-0047	1	RESISTOR
J1		333-1508	1	SPLICE - WINDOW
K1		307-1499	1	SOLENOID - START
K2		307-1573	1	RELAY - IGNITION
R1		307-1573	1	LEAD ASSY - HI TEN
R2		307-1573	1	LEAD ASSY - HI TEN
S1		308-0960	1	SWITCH - START STOP
S2		308-0960	1	BREAKER & CAP ASSY
S3		308-0960	1	SWITCH - LOW OIL PRESS
S4		308-0960	1	SWITCH - HIGH AIR TEMP
T1		308-0960	1	COIL - IGNITION
W1		338-1120	1	WIRING HARNESS
W2		338-0959	1	WIRING HARNESS (CABLE - REMOTE CONTROL) (10 FEET LONG)
W3		338-0960	1	WIRING HARNESS (CABLE - REMOTE CONTROL) (30 FEET LONG)

NOTE: 1. REPLACES PC BOARD CONTROL (300-0859) FOR R.V.

2. REMOVE CRI FROM 1 & 2

3. REMOVE LEAD ASSY FROM HARNESS (338-1120 (0))

RECONNECTION CHART

120V, 2W	120/240V, 3W
M1	M1
M2	M2
M3	M3
M4	M4

DECLARIFIED NOTE 2 1/1 15-9-273

A1 WAS 300-1595

REVISION 1/1 12/12/27

DIVISION OF ORAN CORPORATION

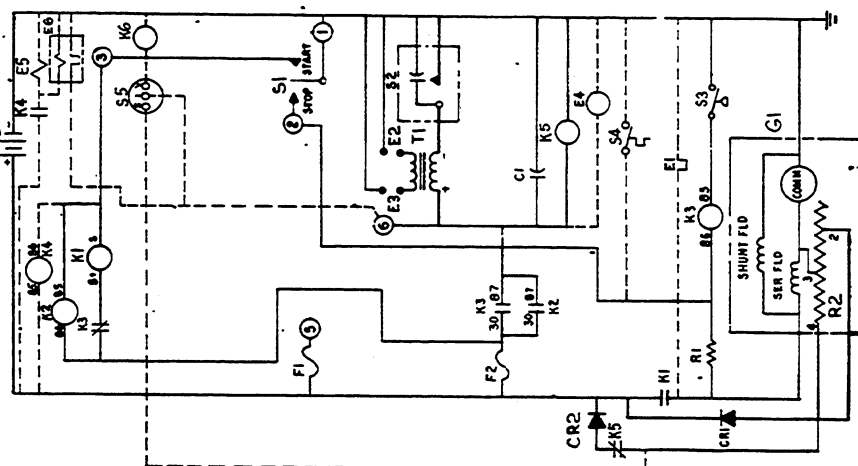
MINNEAPOLIS, MINNESOTA

MODEL NO. 10-3-77

CONTROL - GEN SET

(WIRING DIAGRAM)

611-1141



PLASH NO	CHROME	MODEL	CONTROL Assy	FUEL PUMP
-01	S1858N CHROME	NH	300-1618 (D)	ELECTRIC
-02	ONAN	NH	300-1635 (D)	MECHANICAL
-03	S1848N -HATKO	NH	300-1670 (D)	ELECTRIC
-04	ONAN	NH	300-1694 (D)	ELECTRIC
-05	NONE	NH	300-1707 (D)	NONE
-06	ONAN -HATKO	CKK	300-1747 (D)	NONE
-07	ONAN	NH	300-1794 (D)	ELECTRIC
-08	NONE -HATKO	NH	300-1908 (D)	NONE
-09	ONAN-HATKO	CKK	300-1923 (D)	ELECTRIC

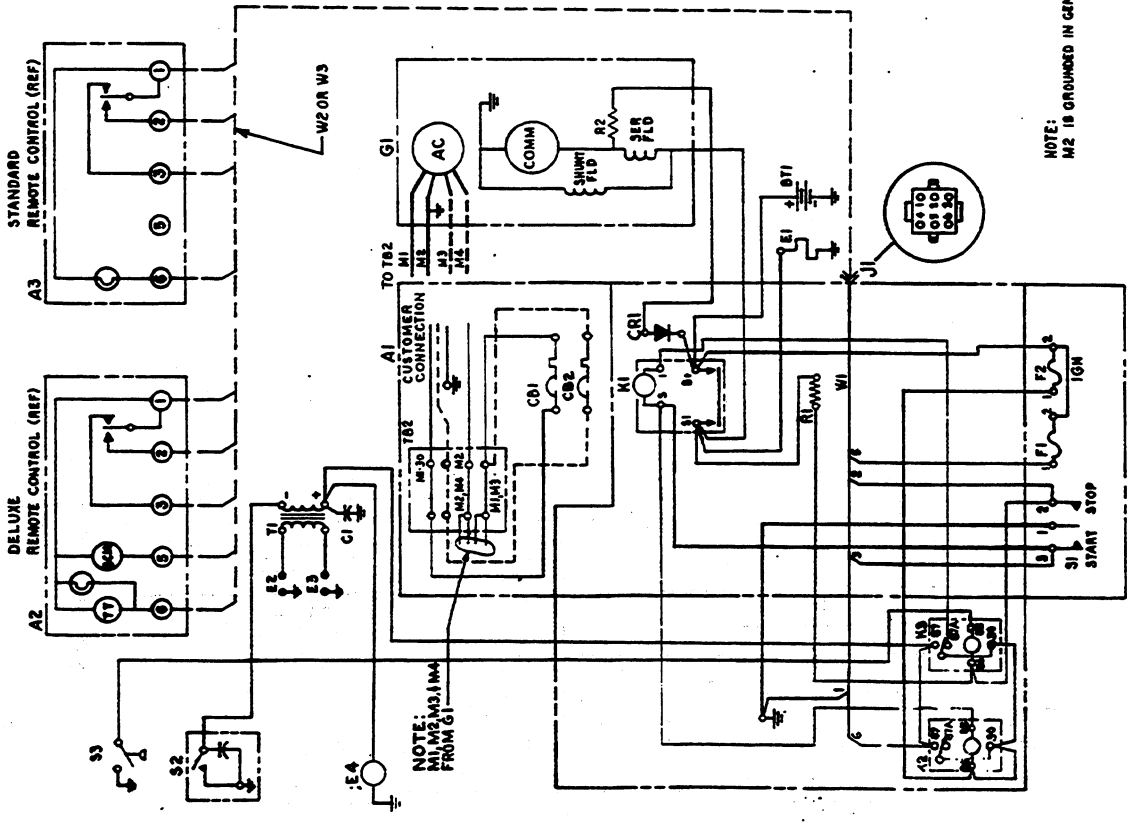
[illegible]

PARTS LIST			
REF DES	PART NO	QTY	DESCRIPTION
AI	SEE TAB	D 1	CONTROL ASSY
ALL PART NOS LISTED BELOW ARE REF ONLY			
B11			1 BATTERY - 12V
C1	312-0030	A 1	1 CAPACITOR
CN12	337-0030	P 2	2 RECTIFIER (BATT. CHARGING)
E1			1 CHOKE - 0.001M (-05, 04)
E2	3	2	2 SPARK - PLUG
E4	149-1542	1	1 FUEL PUMP (01, 03, 04)
E5			1 CHOKE - 0.001M (-01, 03)
F1	2	321-0115	P 2 2 FUSE HOLDER
		321-0114	2 FUSE - 5 AMP 32V
G1			1 GENERATOR
A1	307-1617	B 1	1 START SOLENOID
R2	307-1575	P 1	1 RELAY - CHRG IGNITION
R3	307-1575	P 1	1 RELAY - RUN IGNITION
B1	332-0161	P 1	1 RESISTOR - 100 OHM 5W
R2			1 RESISTOR
R5		P 1	1 RELAY - CHARGE
K4	307-1618	A 1	1 RELAY ASSY
K6			1 FUEL - SOLENOID (NAT GAS ONLY)
S1	308-0383	A 1	1 SWITCH - START STOP
S2			1 SWITCH - REFUELER CAP ASSY
S3			1 SWITCH - LOW OIL PRESS
T1	168-0643	C 1	1 COIL - IGNITION
TB1	332-0699	A 1	1 TERMINAL BLOCK
	98-3430	B 1	1 SILKSCREEN - WD (REF)
S4			1 SWITCH - HIGH AIR TEMP (-05)
S5			1 SWITCH - VACUUM (FUEL SOLENOID)
E6			1 CHOKE - THERMO. MAG

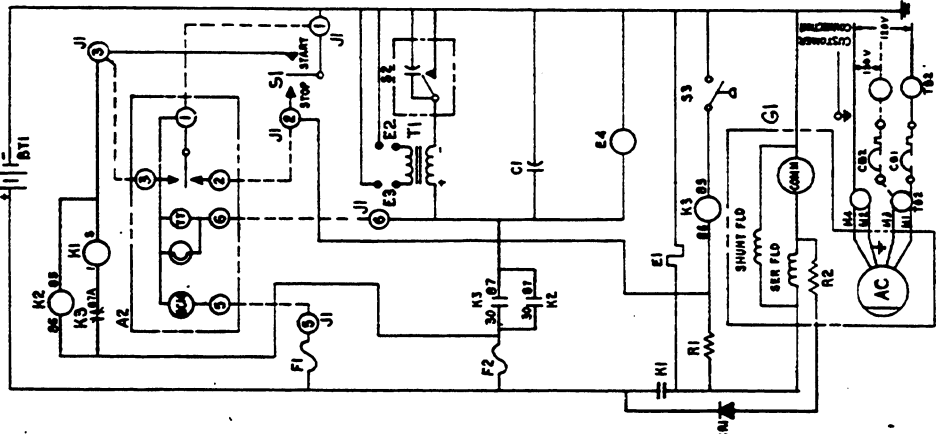
K ADDED -09		W/12	12-23-73
J ADDED -06 2.5 NH - 3R/1474L		W/12	12-23-73
1. TBI-5 IS FOR B- OR REMOTE BATTERY CONDITION METER. TBI-6 IS FOR A REMOTE RUNNING TIME METER OR RUNNING LIGHT.			
D	IS TO 3000 WUALS BS-84	W/12	12-11-74
C	ADDED -03	W/12	12-23-73
C	K4-84 WAS TO K4-50	W/12	12-23-73
C	K4-84 WAS TO K4-5	W/12	12-23-73
B	ADDED E1 TO W. D.	W/12	12-23-73
A	ADDED -02 MODEL	W/12	12-23-73
DIVISION OF OHIO CORPORATION Milwaukee, Wisconsin		DATE	12-23-73
O 362		DAY	12-23-73
11-29-73		W/12	12-23-73
CONTROL-GEN SET (WIRING DIAGRAM)		DATE	12-23-73
611-1139		W/12	12-23-73
611-1142		DATE	12-23-73
240 V		W/12	12-23-73
60 Hz		DATE	12-23-73
NH-3CR/5000D		W/12	12-23-73
NH-4R/9180L		DATE	12-23-73
NH-4R-3CR/1L		W/12	12-23-73

611-1146

WIRING DIAGRAM



SCHEMATIC



REF DES	PART NO.	QTY	DESCRIPTION
A1	300-1764 D	1	CONTROL ASSY (CON) 30 AMP
B1	300-1765 D	1	CONTROL ASSY (-02) 10/20/30/40/50 AMP
C1	300-1766 D	1	CONTROL ASSY (-03) 30 AMP
ALL PART NOS LISTED ABOVE ARE REF ONLY			
A2	300-0888 B	1	DELUXE REMOTE CONTROL
A3	300-0885 B	1	STANDARD REMOTE CONTROL
B1	300-0885 B	1	BATTERY 12V
C1	312-0010 A	1	RECEPTER (BATT. CHARGING)
E1	337-0050 P	1	RELAY - RUN IGNITION
E2	337-0050 P	1	RELAY - RUN IGNITION
E3	337-0050 P	1	RELAY - RUN IGNITION
E4	337-0050 P	1	RELAY - RUN IGNITION
F1	321-0115 P	2	FUSE - 5 AMP 32V
F2	321-0115 P	2	FUSE - 5 AMP 32V
G1	307-1617 B	1	START SOLENOID
H1	307-1515 P	1	RELAY - CHARG. IGNITION
H2	307-1515 P	1	RELAY - CHARG. IGNITION
H3	307-1515 P	1	RELAY - CHARG. IGNITION
H4	307-1515 P	1	RELAY - CHARG. IGNITION
I1	304-0431 P	1	RESISTOR - 150 OHM 5W
J1	333-0440 C	1	SOCKET PLUG-REMOTE
K1	308-0383 A	1	SWITCH - START STOP
K2	308-0383 A	1	SWITCH - BREAKER & CAP ASSY
K3	308-0383 A	1	SWITCH - LOW OIL PRESS
L1	188-0843 C	1	COIL - IGNITION
M1	332-0254 A	1	TERMINAL BOARD
M2	98-3717 B	1	SILKSCREEN - S.C. HEMATIC
M3	320-0544 C	1	CIRCUIT BREAKER 30 AMP (4-02)
M4	320-0692 C	1	CIRCUIT BREAKER 20 AMP (4-02)
N1	338-1078 C	1	WIRING HARNESS (CON-REMOTE)
N2	338-1090 C	1	WIRING HARNESS (CABLE-REMOTE)
N3	338-1091 C	1	WIRING HARNESS (CABLE-REMOTE)
N4	338-1091 C	1	WIRING HARNESS (CABLE-REMOTE)

• WHEN USED

THIS DOCUMENT SUBJECT TO FOLLOWING STANDARDS/CODES
UL
CSA
TO MAINTAIN THIS COMPLIANCE, NO CHANGES OR
DEVIATIONS TO BE MADE W/O APPROVAL OF:
CODES & STANDARDS
DATE: 12-13-79

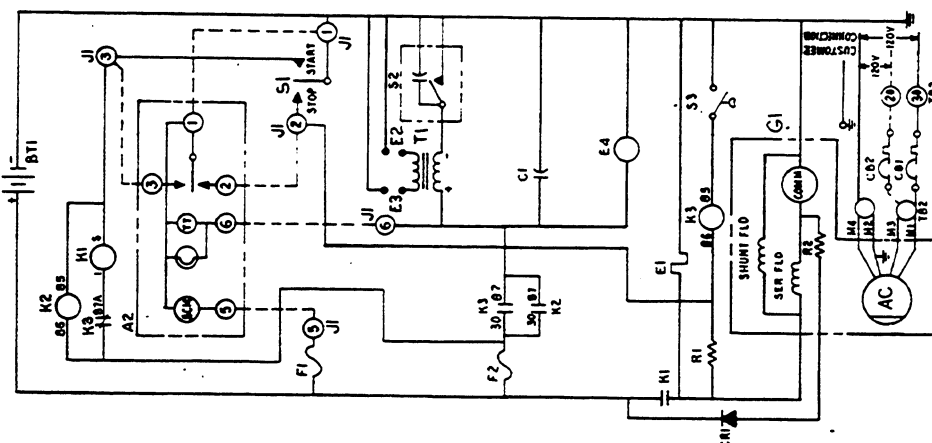
4.0 BFA - 1R/16000/B 120V 60 Hz	5.0 BGA - 3CR/16000/B 120V 60 Hz	6.5 NH - 3CR/16000/M 120/240V 1PH 4 W 60 Hz
---------------------------------------	--	---

5.0 BGA, 6.5 NH RECONNECTION CHART	4.0 BFA
120V, 2W M1 M2 M3 M4	120V, 2W M1 M2 M3 M4
120V, 2W M1 M2 M3 M4	120V, 2W M1 M2 M3 M4

611-1146	611-1146	611-1146
----------	----------	----------

HUNTSVILLE

SCHEMATIC



• CHEM 1151D

[illegible]

MODEL N°	-01 4.0BFA · 1R/16019/B ·02 5.0BGA 3CR/16019/B 6.5NH 3CR/16019/M	H
120 V. 4 W	1 PH 60 Hz	

[illegible]

THIS DOCUMENT SUBJECT TO FOLLOWING STANDARDS/CODES


U	CIA				
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**TO MAINTAIN THIS COMPLIANCE, NO CHANGES OR
DEVIATIONS TO BE MADE W/O APPROVAL OF:**

CODES A STOD ENR.	PLIFF	<input checked="" type="checkbox"/> HP	<input type="checkbox"/> HDO
-------------------	-------	--	------------------------------

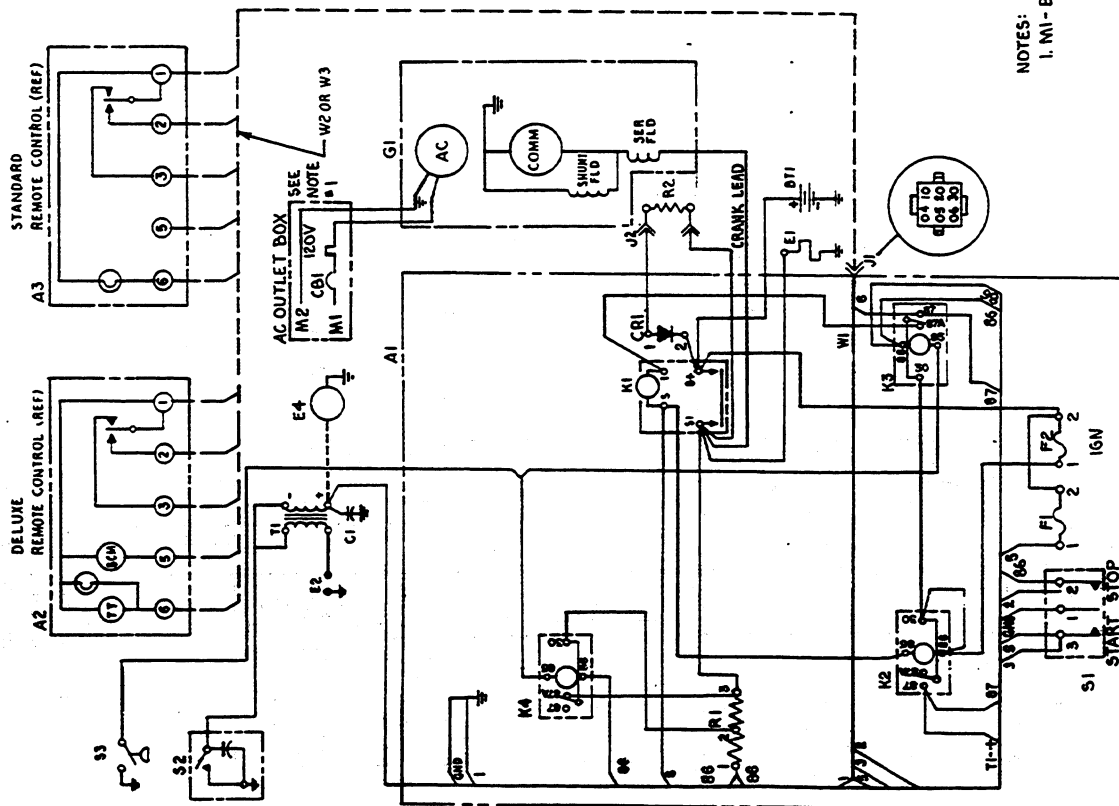
fmb **DUB** **DATE** **6/5-85/79**

SINIO

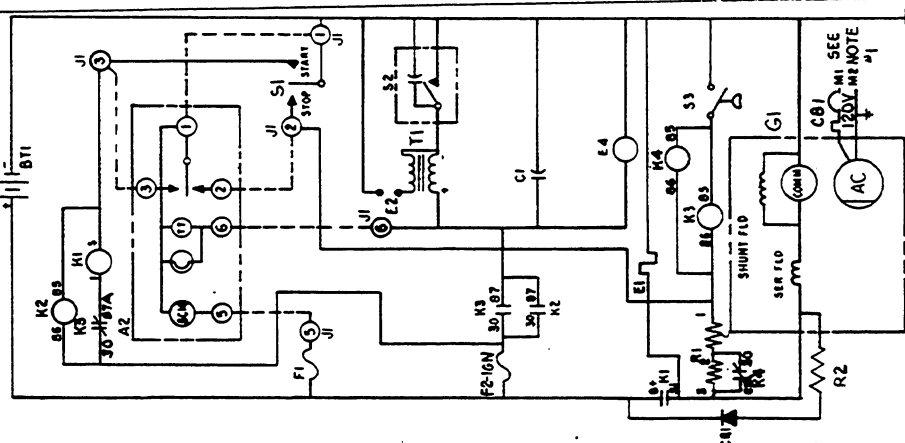


S.O.BGA, 6.5NH RECONNECTION CHART		
<p>120V, 2W</p> <p>M1 M2 M3 M4</p>	<p>120/240V, 3W</p> <p>M1 M2 M3 M4</p>	<p>4.OBFA 120V, 3W</p> <p>M1 M1 M2 M2</p>

WIRING DIAGRAM



SCHEMATIC



NOTES:
1. MI - BLACK, M2 - WHITE

PARTS LIST			
REF DES	PART NO	QTY	DESCRIPTION
A1	300-1781	C	CONTROL ASSY
ALL PART NOS LISTED BELOW ARE REF ONLY			
A2	300-0286	P	DELUXE REMOTE CONTROL
A3	300-0393	B	STANDARD REMOTE CONTROL
B11		I	BATTERY - 12V
C1	312-0050	A	CAPACITOR
CRI	337-0030	P	RECEIVER (BATT. CHARGING)
CBI	320-0544	C	30 AMP CIRCUIT BRK
LI		I	CHOKE - OHM
I2		I	SPARK - PLUG
I4	307-1302	A	SOLENOID FUEL SHUT OFF
F1, 2	321-0175	P	FUSE HOLDER
G1	321-0174	P	FUSE - 5 AMP 32V
M1		I	GENERATOR
K1	302-1817	B	START SOLENOID
K2	302-1515	P	RELAY - CRANK IGNITION
K3	302-1515	P	RELAY - RUN IGNITION
K4	307-1878	P	RELAY - IGNITION
R1	304-0730	P	RESISTOR - 175 OHM 5 W
R2	353-0086		RESISTOR - 10 OHM 2 W
S1	308-0393	A	SWITCH START STOP
S2		I	SWITCH - BREAKER & CAP ASSY
S3		I	SWITCH - LUB OIL PRESS
T1	186-0278	C	COTL - IGNITION
611-148			
J1	98-3769	B	SILVERGREEN - SCHEMATIC
J2	223-0440	C	SOCKET PLUG - REMOTE
	508-0200	A	BUSHING - TERMINAL
611-148			
W1	138-1111	C	WIRING HARNESS (COWL-REMOTE)
W2	338-1080	C	WIRING HARNESS (CABLE-REMOTE CONTROL) (10 FEET LONG)
W3	338-1081	C	WIRING HARNESS (CABLE-REMOTE CONTROL) (30 FEET LONG)

0350 N3H4-8

[illegible]

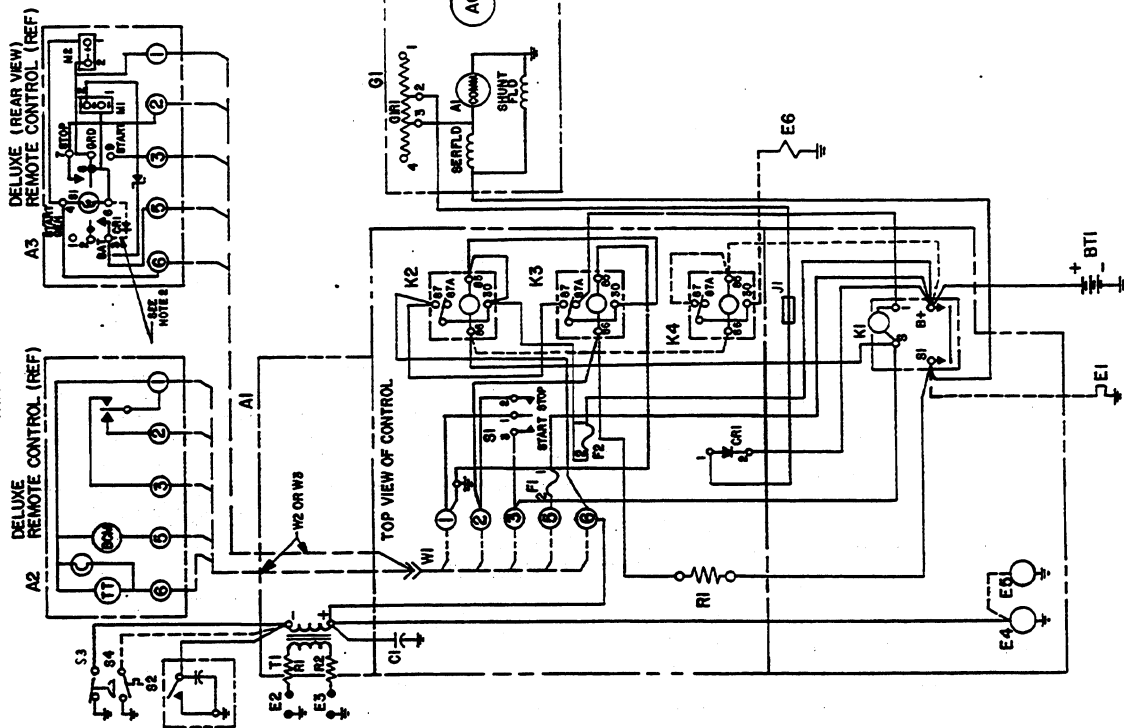
THIS DOCUMENT SUBJECT TO FOLLOWING STANDARDS/CODIS

BUL ☒ CSA ☐ _____
TO MAINTAIN THIS COMPLIANCE, NO CHARGES OR
DEVIATIONS TO BE MADE W/O APPROVAL OF:
CODIS & STDS INDR. ☒ USIP ☐ HOLA

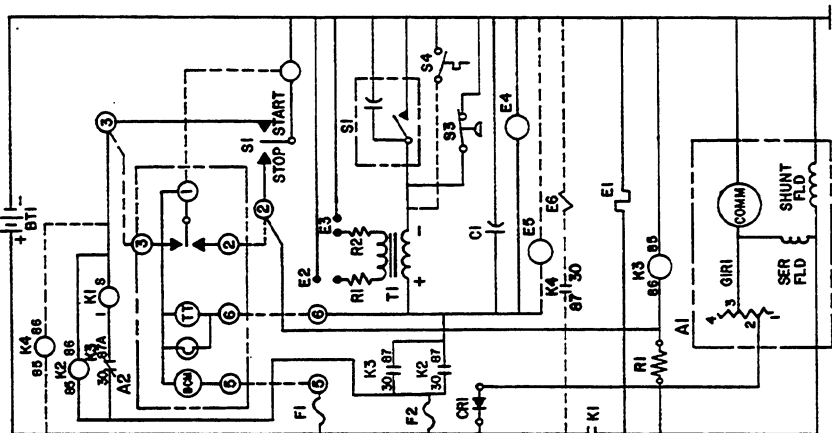
RMA / 7-23-80
SIGNED DATE

[illegible]

WIRING DIAGRAM



SCHEMATIC



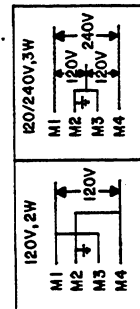
NOTES:

1. REPLACES PC BOARD CONTROL (300-0859) FOR RV.
2. REMOVE CRI FROM 1 & 2 AND JUMPER FROM 1 TO GND (FROM GRI) IN GEN END BELL
3. REMOVE 336-3280 LEAD ASSY FROM HARNESS (336-1337 (D)).

PARTS LIST			
REF DES	PART NO.	QTY	DESCRIPTION
A1	300-2028	D	CONTROL ASSY - 01 - 02
K4	307-1872	A	RELAY & LEAD ASSY - 02 (SEE NOTE 3)
ALL PART NOS BELOW ARE REF ONLY			
A2	300-0886	B	DELUXE REMOTE CONTROL
A3	300-0843	B	DELUXE REMOTE CONTROL
G1	B711	1	BATTERY 12V
C1	357-0030	A	CHOKES - 32V
E2, E3			SPARK PLUG
E4			FUEL PUMP
E5			SOLENOID - FUEL (WHEN USED)
E6			CHOKES - 32V (02)
F1, F2	321-0174	-	FUSE (15 AMP, 32V)
G1			GENERATOR
K1	332-1506	-	RELAY - WINDOW
K2	307-1817	P	SOLENOID - START
T1 - R1	307-1575	B	RELAY - IGNITION
R1	307-1575	B	LEAD ASSY - HI TEN
S1	332-0181	P	LEAD ASSY - HI TEN
S2			RESISTOR - 100 A 6V
S3			SWITCH - START
S4			BREAKER & CAP ASSY
T1			SWITCH - LOW OIL PRESS
			SWITCH - HIGH AIR TEMP
			COIL - IGNITION
E1			CHOKES - 01AN - 01

611-1157

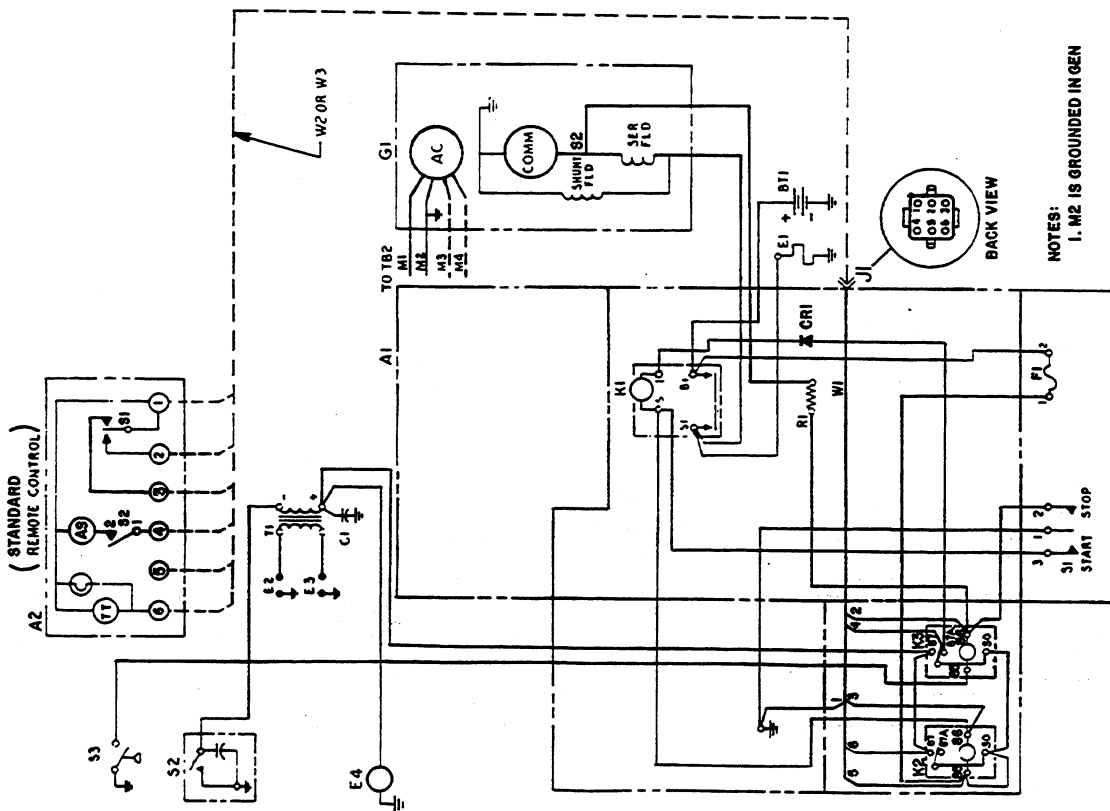
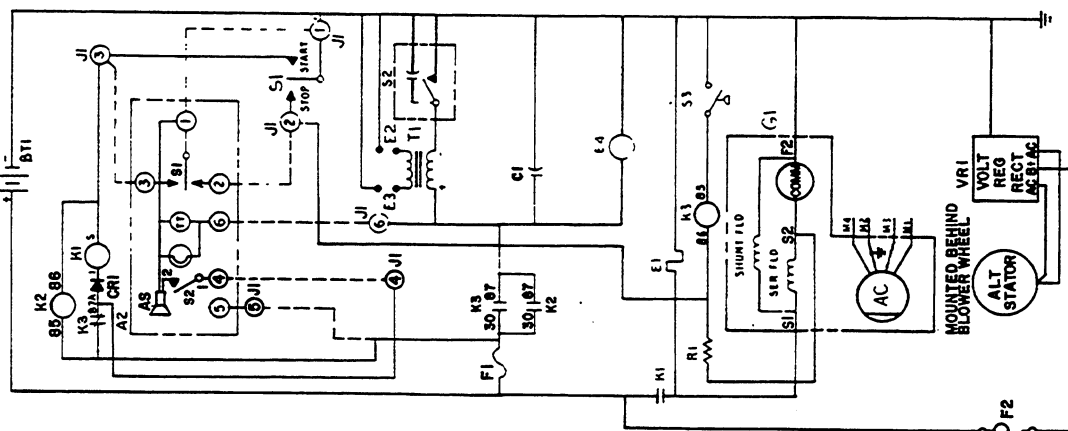
C



ITEM	REV	DATE	BY	QTY	DESCRIPTION OR MATERIAL
8423	B				TBI-2 TO K3-B6 WAS TBI-2 TO T1-
3943	A				K1-B7 TO P4-B5 WAS K3-30 TO P4-B5
1519	-				RLSE FOR PROD
ER	LET				
A DIVISION OF OHAN CORPORATION					
Huntsville, Alabama					
CONTROL - GEN SET					
(WIRING DIAGRAM)					
-01 CCR & M4/15015 & UP					
-02 CCR & M4/15014 & DOWN					
611-1157					
HUNTSVILLE					

[illegible]

WIRING DIAGRAM



NOTES:
1. M2 IS GROUNDED IN GEN

RECONNECTION CHART		4.0BFA
6.5NH	<p>120V, 2W</p> <p>M1 M2 M3 M4</p>	<p>120V, 2W</p> <p>M1 M2 M3 M4</p>
	<p>120/240V, 3W</p> <p>M1 M2 M3 M4</p>	<p>120V, 2W</p> <p>M1 M2 M3 M4</p>

6374	B	WAS RI TO KI-SI	DATE	TIME
4180	A	ADD CRI (357-0030)	DATE	TIME
3767		— ELSE FOR CON	DATE	TIME
ER				
<div style="border: 1px solid black; padding: 5px; text-align: center;"> ON </div>				
00C		9-18-80	BLW	1047
000P		CONTROL GEN SET (WIRING DIAGRAM)		
			DATE	TIME
			611-1160	C
HUNTSVILLE				

HUNTSVILLE

612-5787

REV 0

WIRING DIAGRAM
INSIDE VIEW OF CONTROL BOX

612-5787

REV 0

WIRING DIAGRAM
INSIDE VIEW OF CONTROL BOX

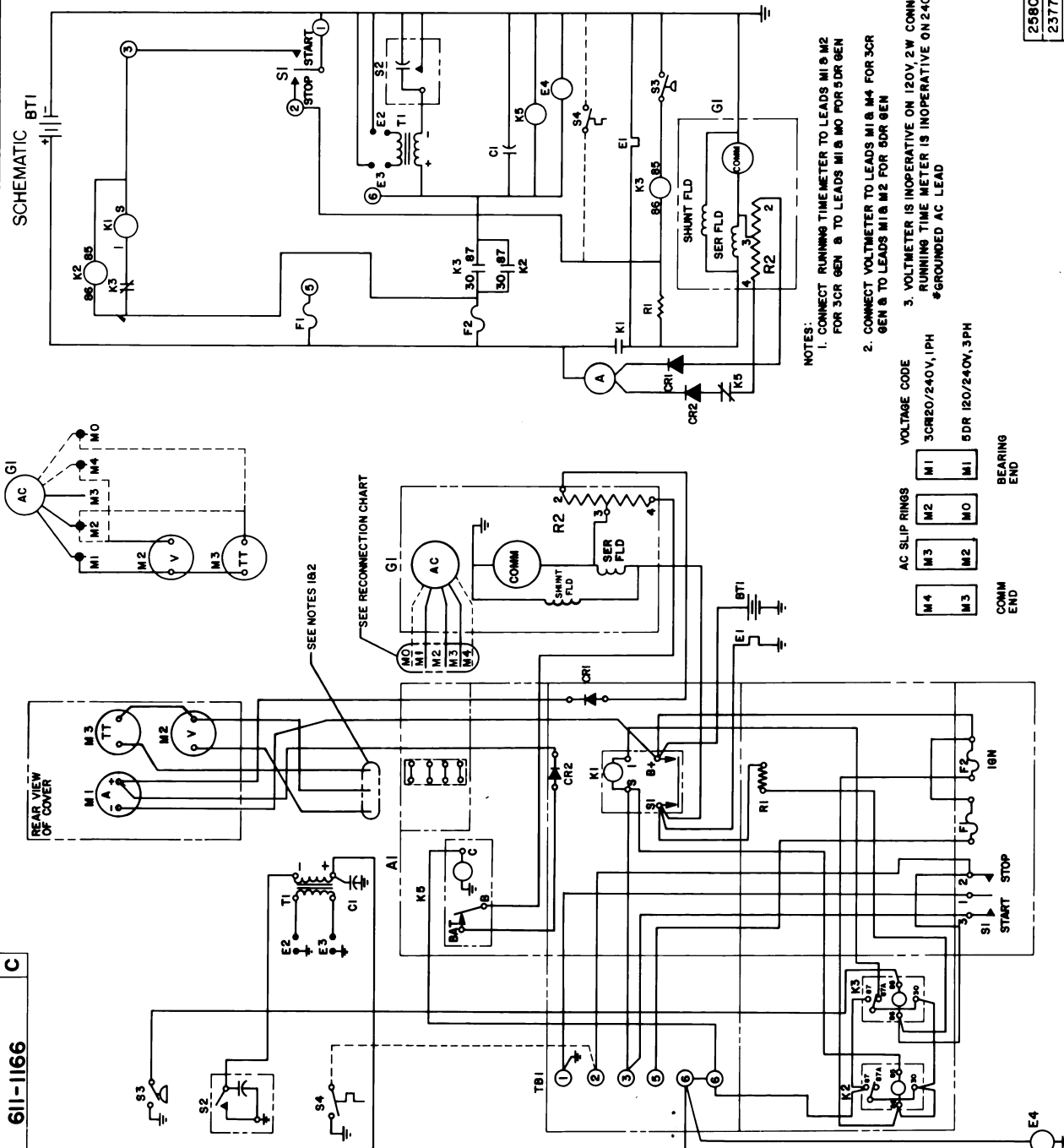
612-5787

REV 0

WIRING DIAGRAM
INSIDE VIEW OF CONTROL BOX

612-5787

REF DES	PART NO	QUANTITY	DESCRIPTION
1	100-0000	1	CHASSIS - 100-0000
2	100-0001	1	CHASSIS - 100-0001
3	100-0002	1	CHASSIS - 100-0002
4	100-0003	1	CHASSIS - 100-0003
5	100-0004	1	CHASSIS - 100-0004
6	100-0005	1	CHASSIS - 100-0005
7	100-0006	1	CHASSIS - 100-0006
8	100-0007	1	CHASSIS - 100-0007
9	100-0008	1	CHASSIS - 100-0008
10	100-0009	1	CHASSIS - 100-0009
11	100-0010	1	CHASSIS - 100-0010
12	100-0011	1	CHASSIS - 100-0011
13	100-0012	1	CHASSIS - 100-0012
14	100-0013	1	CHASSIS - 100-0013
15	100-0014	1	CHASSIS - 100-0014
16	100-0015	1	CHASSIS - 100-0015
17	100-0016	1	CHASSIS - 100-0016
18	100-0017	1	CHASSIS - 100-0017
19	100-0018	1	CHASSIS - 100-0018
20	100-0019	1	CHASSIS - 100-0019
21	100-0020	1	CHASSIS - 100-0020
22	100-0021	1	CHASSIS - 100-0021
23	100-0022	1	CHASSIS - 100-0022
24	100-0023	1	CHASSIS - 100-0023
25	100-0024	1	CHASSIS - 100-0024
26	100-0025	1	CHASSIS - 100-0025
27	100-0026	1	CHASSIS - 100-0026
28	100-0027	1	CHASSIS - 100-0027
29	100-0028	1	CHASSIS - 100-0028
30	100-0029	1	CHASSIS - 100-0029
31	100-0030	1	CHASSIS - 100-0030
32	100-0031	1	CHASSIS - 100-0031
33	100-0032	1	CHASSIS - 100-0032
34	100-0033	1	CHASSIS - 100-0033
35	100-0034	1	CHASSIS - 100-0034
36	100-0035	1	CHASSIS - 100-0035
37	100-0036	1	CHASSIS - 100-0036
38	100-0037	1	CHASSIS - 100-0037
39	100-0038	1	CHASSIS - 100-0038
40	100-0039	1	CHASSIS - 100-0039
41	100-0040	1	CHASSIS - 100-0040
42	100-0041	1	CHASSIS - 100-0041
43	100-0042	1	CHASSIS - 100-0042
44	100-0043	1	CHASSIS - 100-0043
45	100-0044	1	CHASSIS - 100-0044
46	100-0045	1	CHASSIS - 100-0045
47	100-0046	1	CHASSIS - 100-0046
48	100-0047	1	CHASSIS - 100-0047
49	100-0048	1	CHASSIS - 100-0048
50	100-0049	1	CHASSIS - 100-0049
51	100-0050	1	CHASSIS - 100-0050
52	100-0051	1	CHASSIS - 100-0051
53	100-0052	1	CHASSIS - 100-0052
54	100-0053	1	CHASSIS - 100-0053
55	100-0054	1	CHASSIS - 100-0054
56	100-0055	1	CHASSIS - 100-0055
57	100-0056	1	CHASSIS - 100-0056
58	100-0057	1	CHASSIS - 100-0057
59	100-0058	1	CHASSIS - 100-0058
60	100-0059	1	CHASSIS - 100-0059
61	100-0060	1	CHASSIS - 100-0060
62	100-0061	1	CHASSIS - 100-0061
63	100-0062	1	CHASSIS - 100-0062
64	100-0063	1	CHASSIS - 100-0063
65	100-0064	1	CHASSIS - 100-0064
66	100-0065	1	CHASSIS - 100-0065
67	100-0066	1	CHASSIS - 100-0066
68	100-0067	1	CHASSIS - 100-0067
69	100-0068	1	CHASSIS - 100-0068
70	100-0069	1	CHASSIS - 100-0069
71	100-0070	1	CHASSIS - 100-0070
72	100-0071	1	CHASSIS - 100-0071
73	100-0072	1	CHASSIS - 100-0072
74	100-0073	1	CHASSIS - 100-0073
75	100-0074	1	CHASSIS - 100-0074
76	100-0075	1	CHASSIS - 100-0075
77	100-0076	1	CHASSIS - 100-0076
78	100-0077	1	CHASSIS - 100-0077
79	100-0078	1	CHASSIS - 100-0078
80	100-0079	1	CHASSIS - 100-0079
81	100-0080	1	CHASSIS - 100-0080
82	100-0081	1	CHASSIS - 100-0081
83	100-0082	1	CHASSIS - 100-0082
84	100-0083	1	CHASSIS - 100-0083
85	100-0084	1	CHASSIS - 100-0084
86	100-0085	1	CHASSIS - 100-0085
87	100-0086	1	CHASSIS - 100-0086
88	100-0087	1	CHASSIS - 100-0087
89	100-0088	1	CHASSIS - 100-0088
90	100-0089	1	CHASSIS - 100-0089
91	100-0090	1	CHASSIS - 100-0090
92	100-0091	1	CHASSIS - 100-0091
93	100-0092	1	CHASSIS - 100-0092
94	100-0093	1	CHASSIS - 100-0093
95	100-0094	1	CHASSIS - 100-0094
96	100-0095	1	CHASSIS - 100-0095
97	100-0096	1	CHASSIS - 100-0096
98	100-0097	1	CHASSIS - 100-0097
99	100-0098	1	CHASSIS - 100-0098
100	100-0099	1	CHASSIS - 100-0099
101	100-0100	1	CHASSIS - 100-0100
102	100-0101	1	CHASSIS - 100-0101
103	100-0102	1	CHASSIS - 100-0102
104	100-0103	1	CHASSIS - 100-0103
105	100-0104	1	CHASSIS - 100-0104
106	100-0105	1	CHASSIS - 100-0105
107	100-0106	1	CHASSIS - 100-0106
108	100-0107	1	CHASSIS - 100-0107
109	100-0108	1	CHASSIS - 100-0108
110	100-0109	1	CHASSIS - 100-0109
111	100-0110	1	CHASSIS - 100-0110
112	100-0111	1	CHASSIS - 100-0111
113	100-0112	1	CHASSIS - 100-0112
114	100-0113	1	CHASSIS - 100-0113
115	100-0114	1	CHASSIS - 100-0114
116	100-0115	1	CHASSIS - 100-0115
117	100-0116	1	CHASSIS - 100-0116
118	100-0117	1	CHASSIS - 100-0117
119	100-0118	1	CHASSIS - 100-0118
120	100-0119	1	CHASSIS - 100-0119
121	100-0120	1	CHASSIS - 100-0120
122	100-0121	1	CHASSIS - 100-0121
123	100-0122	1	CHASSIS - 100-0122
124	100-0123	1	CHASSIS - 100-0123
125	100-0124	1	CHASSIS - 100-0124
126	100-0125	1	CHASSIS - 100-0125
127	100-0126	1	CHASSIS - 100-0126
128	100-0127	1	CHASSIS - 100-0127
129	100-0128	1	CHASSIS - 100-0128
130	100-0129	1	CHASSIS - 100-0129
131	100-0130	1	CHASSIS - 100-0130
132	100-0131	1	CHASSIS - 100-0131
133	100-0132	1	CHASSIS - 100-0132
134	100-0133	1	CHASSIS - 100-0133
135	100-0134	1	CHASSIS - 100-0134
136	100-0135	1	CHASSIS - 100-0135
137	100-0136	1	CHASSIS - 100-0136
138	100-0137	1	CHASSIS - 100-0137
139	100-0138	1	CHASSIS - 100-0138
140	100-0139	1	CHASSIS - 100-0139
141	100-0140	1	CHASSIS - 100-0140
142	100-0141	1	CHASSIS - 100-0141
143	100-0142	1	CHASSIS - 100-0142
144	100-0143	1	CHASSIS - 100-0143
145	100-0144	1	CHASSIS - 100-0144
146	100-0145	1	CHASSIS - 100-0145
147	100-0146	1	CHASSIS - 100-0146
148	100-0147	1	CHASSIS - 100-0147
149	100-0148	1	CHASSIS - 100-0148
150	100-0149	1	CHASSIS - 100-0149
151	100-0150	1	CHASSIS - 100-0150
152	100-0151	1	CHASSIS - 100-0151
153	100-0152	1	CHASSIS - 100-0152
154	100-0153	1	CHASSIS - 100-0153
155	100-0154	1	CHASSIS - 100-0154
156	100-0155	1	CHASSIS - 100-0155
157	100-0156	1	CHASSIS - 100-0156
158	100-0157	1	CHASSIS - 100-0157
159	100-0158	1	CHASSIS - 100-0158
160	100-0159	1	CHASSIS - 100-0159
161	100-0160	1	CHASSIS - 100-0160
162	100-0161	1	CHASSIS - 100-0161
163	100-0162	1	CHASSIS - 100-0162
164	100-0163	1	CHASSIS - 100-0163
165	100-0164	1	CHASSIS - 100-0164
166	100-0165	1	CHASSIS - 100-0165
167	100-0166	1	CHASSIS - 100-0166
168	100-0167	1	CHASSIS - 100-0167
169	100-0168	1	CHASSIS - 100-0168
170	100-0169	1	CHASSIS - 100-0169
171	100-0170	1	CHASSIS - 100-0170
172	100-0171	1	CHASSIS - 100-0171
173	100-0172	1	CHASSIS - 100-0172
174	100-0173	1	CHASSIS - 100-0173
175	100-0174	1	CHASSIS - 100-0174
176	100-0175	1	CHASSIS - 100-0175
177	100-0176	1	CHASSIS - 100-0176
178	100-0177	1	CHASSIS - 100-0177
179	100-0178	1	CHASSIS - 100-0178
180	100-0179	1	CHASSIS - 100-0179
181	100-0180	1	CHASSIS - 100-0180
182	100-0181	1	CHASSIS - 100-0181
183	100-0182	1	CHASSIS - 100-0182
184	100-0183	1	CHASSIS - 100-0183
185	100-0184	1	CHASSIS - 100-0184
186	100-0185	1	CHASSIS - 100-0185
187	100-0186	1	CHASSIS - 100-0186
188	100-0187	1	CHASSIS - 100-0187
189	100-0188	1	CHASSIS - 100-0188
190	100-0189	1	CHASSIS - 100-0189
191	100-0190	1	CHASSIS - 100-0190
192	100-0191	1	CHASSIS - 100-0191
193	100-0192	1	CHASSIS - 100-0192
194	100-0193	1	CHASSIS - 100-0193
195	100-0194	1	CHASSIS - 100-0194
196	100-0195	1	CHASSIS - 100-0195
197	100-0196	1	CHASSIS - 100-0196
198	100-0197	1	CHASSIS - 100-0197
199	100-0198	1	CHASSIS - 100-0198
200	100-0199	1	CHASSIS - 100-0199
201	100-0200	1	CHASSIS - 100-0200
202	100-0201	1	CHASSIS - 100-0201
203	100-0202	1	CHASSIS - 100-0202
204	100-0203	1	CHASSIS - 100-0203
205	100-0204	1	CHASSIS - 100-0204
206	100-0205	1	CHASSIS - 100-0205
207	100-0206	1	CHASSIS - 100-0206
208	100-0207	1	CHASSIS - 100-0207
209	100-0208	1	CHASSIS - 100-0208
210	100-0209	1	CHASSIS - 100-0209
211	100-0210	1	CHASSIS - 100-0210
212	100-0211	1	CHASSIS - 100-0211
213	100-0212	1	CHASSIS - 100-0212
214	100-0213	1	CHASSIS - 100-0213
215	100-0214	1	CHASSIS - 100-0214
216	100-0215	1	CHASSIS - 100-0215
217	100-0216	1	CHASSIS - 100-0216
218	100-0217	1	CHASSIS - 100-0217
219	100-0218	1	CHASSIS - 100-0218
220	100-0219	1	CHASSIS - 100-0219
221	100-0220	1	CHASSIS - 100-0220
222	100-0221	1	CHASSIS - 100-0221
223	100-0222	1	CHASSIS - 100-0222
224	100-0223	1	CHASSIS - 100-0223
225	100-0224	1	CHASSIS - 100-0224
226	100-0225	1	CHASSIS - 100-0225
227	100-0226	1	CHASSIS - 100-0226
228	100-0227	1	CHASSIS - 100-0227
229	100-0228	1	CHASSIS - 100-0228
230	100-0229	1	CHASSIS - 100-0229
231	100-0230	1	CHASSIS - 100-0230
232	100-0231	1	CHASSIS - 100-0231
233	100-0232	1	CHASSIS - 100-0232
234	100-0233	1	CHASSIS - 100-0233
235	100-0234	1	CHASSIS - 100-0234</



NOTES:

1. CONNECT RUNNING TIME METER TO LEADS MI & M2 FOR 3CR GEN & TO LEADS MI & MO FOR 5DR GEN

2. CONNECT VOLTMETER TO LEADS M1 & M4 FOR 3CR
GEN & TO LEADS M1 & M2 FOR 5DR GEN

3. VOLTMETER IS INOPERATIVE ON 120V, 2W CONNECTIONS
 RUNNING TIME METER IS INOPERATIVE ON 240V, 2W CONNECTIONS
 *GROUNDED AC LEAD

VOLTAGE CODE

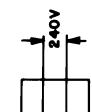
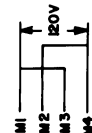
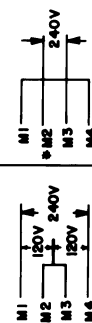
MI 3CR120/240V, 1PH


MI 5DR 120/240V, 3PH

**BEARING
END**

COMM
END

RECONNECTION CHART 1PH 4W (SEE NOTE 3)

[illegible]

25801	C	1	FUEL PUMP WAS 149-1542	12-30-85	WJ	2-7-84
23772	B	2	KI-1 WAS KI-B+	WJ	2-7-84	WJ
23772	B	1	LEAD CR2 WAS TO M1-	WJ	2-7-84	WJ
21306	—	RLSE	FOR PROO			
ER NO.	21306	NO.	REVISION	ENGR	CR	DATE
			 Onan Corporation Minneapolis Minnesota			
			CONTROL - GEN SET (WIRING DIAGRAM)			
			SEC	PUR	ML	
			QC	PO		
				H		
			5DR/10000P			GROUP
			3CR/10000P			SIZE
			6.5NH			C
			611-1166			

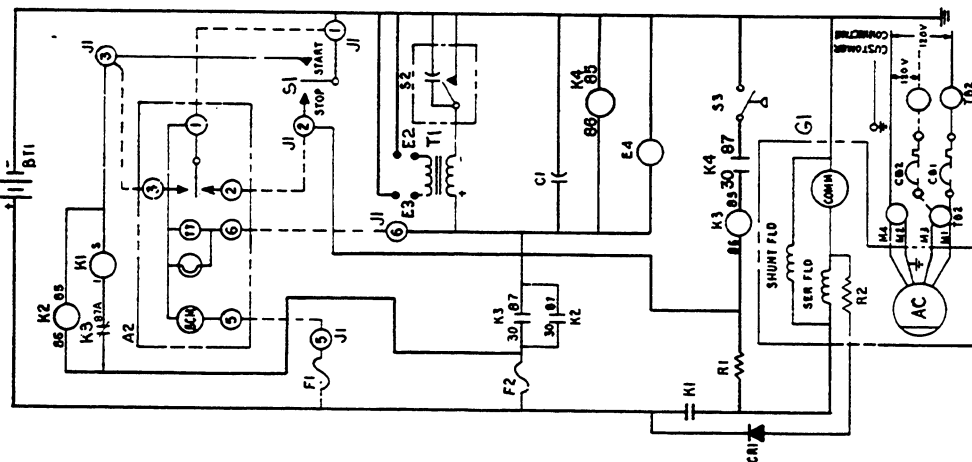
TOLERANCES UNLESS OTHERWISE SPECIFIED		FIRST ANGLE		TYPICAL FROM	
mm	INCH	1:2	1:1	DR	JE
± .125	± .005	THIRD ANGLE	THIRD ANGLE	CR	1:3
± .063	± .0025	THIRD ANGLE	THIRD ANGLE	ENGR	1:2
± .031	± .001	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .015	± .0005	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0075	± .00025	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00375	± .000125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .001875	± .0000625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0009375	± .00003125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00046875	± .000015625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000234375	± .0000078125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0001171875	± .00000390625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00005859375	± .000001953125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000029296875	± .0000009765625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000146484375	± .00000048828125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000732421875	± .000000244140625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000003662109375	± .0000001220703125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000018310546875	± .00000006103515625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000091552734375	± .000000030517578125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000457763671875	± .0000000152587890625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000002288818359375	± .00000000762939453125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000011444091796875	± .000000003814697265625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000057220458984375	± .0000000019073486328125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000286102294921875	± .00000000095367431640625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000001430511474609375	± .000000000476837158203125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000007152557373046875	± .0000000002384185791015625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000035762786865234375	± .00000000011920928955078125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000178813934326171875	± .000000000059604644775390625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000894069671630859375	± .0000000000298023223876953125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000004470348358154296875	± .00000000001490116119384765625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000022351741790771484375	± .000000000007450580596923828125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000111758708953857421875	± .0000000000037252902984619140625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000558793544769287109375	± .00000000000186264514923095703125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000002793967723846435546875	± .000000000000931322574615478515625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000013969838619232177734375	± .0000000000004656612873077392578125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000069849193096160888671875	± .00000000000023283064365386962890625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000349245965480804443359375	± .000000000000116415321826934814453125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000001746229827404022216796875	± .0000000000000582076609134674072265625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000008731149137020111083984375	± .00000000000002910383045673370361328125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000043655745685100555419921875	± .000000000000014551915228366851806640625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000218278728425502777099609375	± .0000000000000072759576141834259033203125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000001091393642127513885498046875	± .00000000000000363797880709171295166015625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000005456968210637569427490234375	± .000000000000001818989403545856475830078125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000027284841053187847137451171875	± .0000000000000009094947017729282379150390625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000136424205265939235687255859375	± .00000000000000045474735088646411895751953125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000682121026329696178436279296875	± .000000000000000227373675443232059478759765625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000003410605131648480892181396484375	± .0000000000000001136868377216160297393798828125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000017053025658242404460906982421875	± .00000000000000005684341886080801486968994140625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000085265128291222022304534912109375	± .000000000000000028421709430404007434844970703125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000042632564145611011152267456046875	± .0000000000000000142108547152020037174224853515625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000213162820728055055761337280234375	± .00000000000000000710542735760100185871124267578125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000001065814103640275278806686401171875	± .000000000000000003552713678800500929355621337890625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000005329070518201376394033432005859375	± .0000000000000000017763568394002500464677806689453125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000026645352591006881970167160029296875	± .00000000000000000088817841970012502323388903447265625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000133226762955034409850835800146484375	± .000000000000000000444089209850062511616694451723828125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000666133814775172049250419000732421875	± .0000000000000000002220446049250312558083472258619140625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000033306690738758602462502095003662109375	± .00000000000000000011102230246251562790417161293095703125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000166533453693793012312501047501831046875	± .000000000000000000055511151231257813952085806465478515625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000832667268468965061562500523750091546875	± .0000000000000000000277555756156289069760429032327392578125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000004163336342344825307812500261875457734375	± .00000000000000000001387778780781445348802145161636962890625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000208166817117241265390625001309372871875	± .000000000000000000006938893903907226744010725808184814453125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000104083408558620632695312500065468614359375	± .000000000000000000003469446951953613372005362904092407265625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000005204170427931031634765625000327343071875	± .00000000000000000000173472347597680668600268145204620378125	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000260208521396551581738281250001636715359375	± .000000000000000000000867361737988403343001340726023101890625	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000001301042606982757908691406250000818357696875	± .0000000000000000000004336808689942016715000670630115509375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000065052130349137895434570312500004091788484375	± .00000000000000000000021684043449710083575000335150577546875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000032526065174568947717285156250000204589421875	± .00000000000000000000010842021724855041787500016757502877234375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000001626303258728447385864257812500001022947109375	± .0000000000000000000000542101086242752089375000083787514386171875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000081315162936422369293212890625000005114735546875	± .000000000000000000000027105054312137604468750000418937571930859375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000004065758146821118464660644531250000025573677734375	± .0000000000000000000000135525271560688022343750000209468788671875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000000203287907341055923233302226562500000127868388671875	± .000000000000000000000006776263578034401117187500001047343943359375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000010164395367052796161665111328125000000639341943359375	± .00000000000000000000000338813178901720055859375000005236719716796875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000508219768352639808083255566406250000003196709716796875	± .0000000000000000000000016940658945086002792968750000026183598583984375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000254109884176319904041627778203125000000159835492919921875	± .00000000000000000000000084703294725430013964893750000013091774645984375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000000012705494208815995202081388910156250000000799177232296875	± .00000000000000000000000042351647362715006982446875000000654588732296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000000635274710440799760104069445507812500000003995886161196875	± .0000000000000000000000002117582368135750349122343750000003272943661196875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000031763735522039988005203472275390625000000019979430805984375	± .000000000000000000000000105879118406787517456117187500000016364718305984375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .000000000000000000000001588186776101999400260173613769531250000000099897154029921875	± .00000000000000000000000005293955920339375087280859375000000081823591549921875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000007940933880509997001300868068847656250000000499485770149609375	± .000000000000000000000000026469779601696875043644046875000000409117957749609375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000000039704669402549985006504340344238281250000002497428850748046875	± .000000000000000000000000013234889800848437502182202343750000002045589788748046875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000000019852334701274992500325217217211914062500000012487144253740234375	± .000000000000000000000000006617444900424218750109110117187500000010227948943740234375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000000009926167350637496250016261086085559375000000062435721268701171875	± .00000000000000000000000000330872245031724843750054555058593750000000311447106343701171875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000496308367531874812500081305304027796875000000312178556343505859375	± .0000000000000000000000000016543612251586242187500272775292968750000001557235781717505859375	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000248154183765937406250004065265201398437500000015608927817175029296875	± .00000000000000000000000000082718061257931220837500136387646489375000000078044639085875029296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000124077091882968703125000203263260069921875000000078044639085875029296875	± .000000000000000000000000000413590306289656104187500068193823244968750000000390223195429375029296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000062038545941484351562500010163163003496093750000000390223195429375029296875	± .000000000000000000000000000206795178144822757083750003409691162248937500000001951115977146875029296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .00000000000000000000000000310192729707421757812500050815815001748046875000000009755579885734375029296875	± .0000000000000000000000000001033975893537108789062500017048455811244968750000000048777899428671875029296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000015509636485371087890625000254079075008744023437500000000243889497143359375029296875	± .000000000000000000000000000076798794676855439453125000085242279055872489375000000001219447485716796875029296875	THIRD ANGLE	THIRD ANGLE	ENGR	1:1
± .0000000000000000000000000007754818242685543945312					

Onan Onan Corporation
Minneapolis Minnesota

**CONTROL - GEN SET
(WIRING DIAGRAM)**

6.5NH-5DR/10000P
3CR/10000P
611-1166

SCHEMATIC



1. M2 IS GROUNDED IN GENERATOR
2. W4 IS USED ONLY WHEN SHUTOFF/FILTER IS USED.

ALL PART NOS LISTED ARE REF ONLY -

THIS DOCUMENT SUBJECT TO FOLLOWING STANDARDS/CODES:

UL ☒ CSA ☐ ☐ ☐

TO MAINTAIN THIS COMPLIANCE, NO CHANGES OR
DEVIATIONS TO BE MADE W/O APPROVAL OF:

CODES & STANDARDS ☒ USPP ☐ ROBO

Linnea Phillips DATE
SIGNED

120V, 2W

120V, 2W

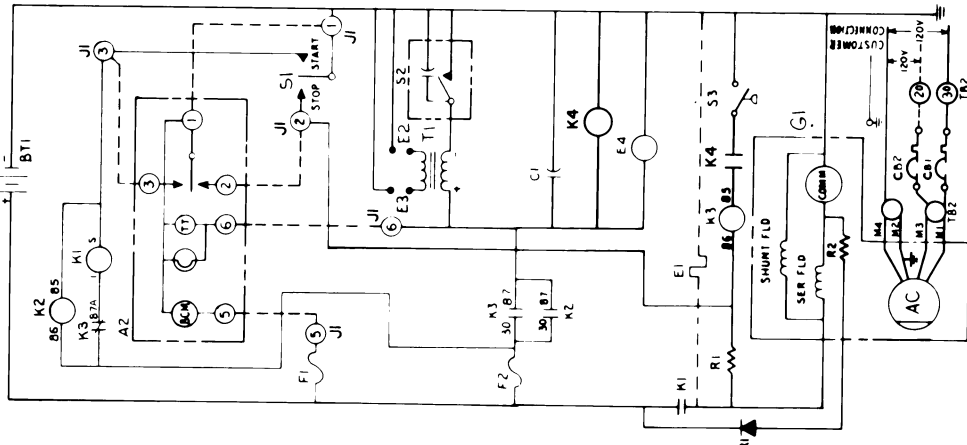
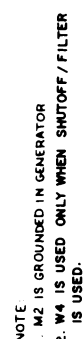
120V, 3W

120V, 2W

120/240 4 W	1PH 60HZ
----------------	-------------

[illegible]

SCHEMATIC

[illegible]

23158	-	PROD RLSE	DATE	TIME	DATE	TIME
ER NO	REV		ISSUED	ISSUED	DATE	TIME
<div style="border: 1px solid black; padding: 5px; text-align: center;"> <div style="display: flex; justify-content: space-between;"> <div> On <div style="border: 1px solid black; padding: 2px;">11-8-83</div> </div> <div> DIVISION OF ORIAN CORPORATION Minneapolis, Minnesota </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> CONTROL GEN SET (WIRING DIAGRAM) </div> <div> <div style="border: 1px solid black; padding: 2px;">JC</div> <div style="border: 1px solid black; padding: 2px;">WA</div> <div style="border: 1px solid black; padding: 2px;">RW</div> </div> </div> </div>						
611-1147				611-1169		

[illegible]

THIS DOCUMENT SUBJECT TO FOLLOWING STANDARDS/CODES

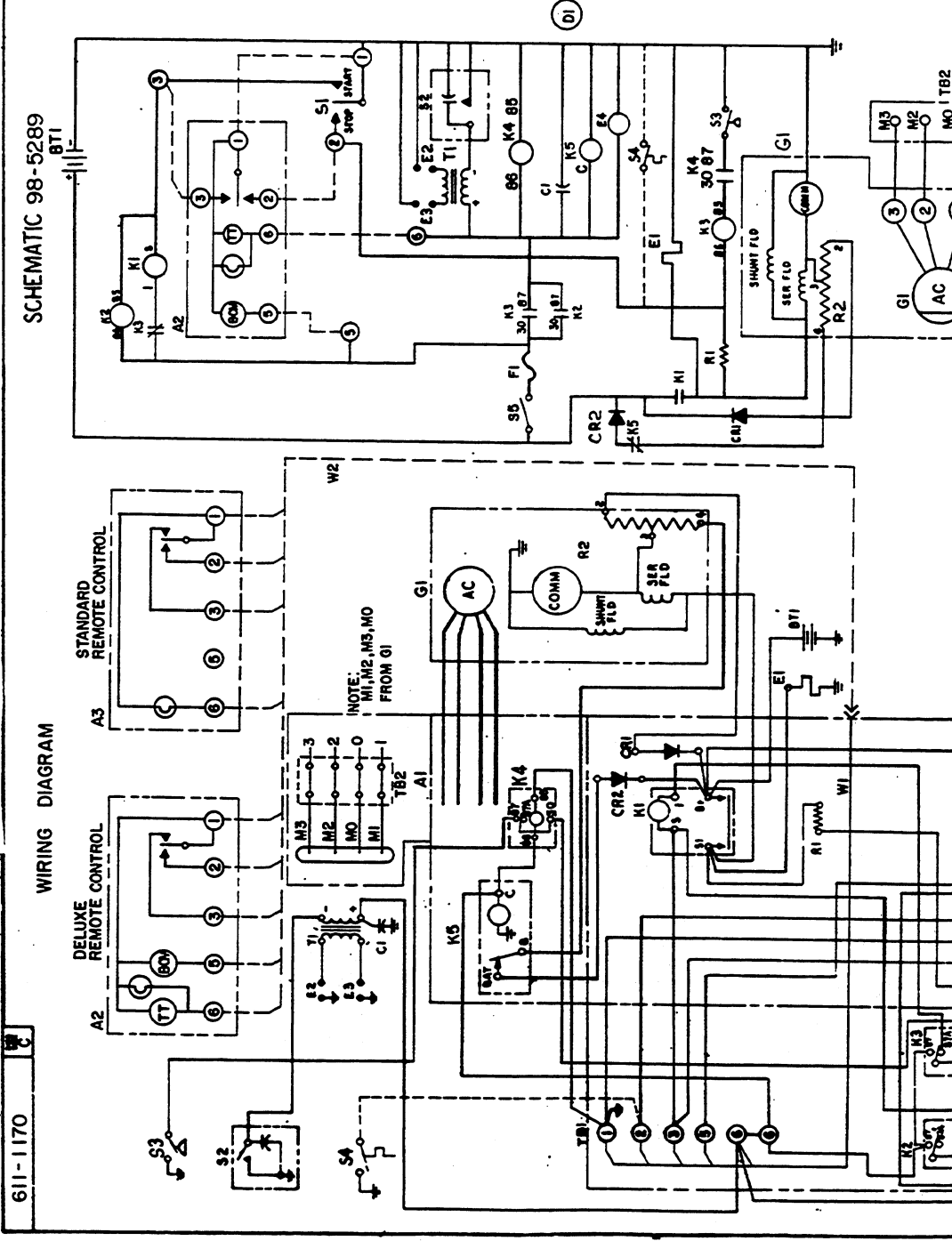
UL ☐ CSA ☐ _____
TO MAINTAIN THIS COMPLIANCE, NO CHANGES OR
DEVIATIONS TO BE MADE W/O APPROVAL OF
CODES & STDS ENGR. ☒ USPP ☐ BOLD

RMB Phil Johnson / 11-2-13
SIGNER DATE

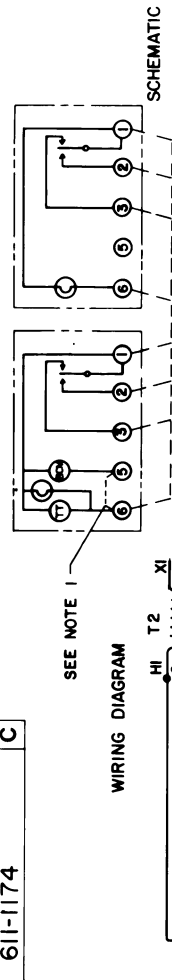
5.0BGA, 6.5NH RECONNECTION CHART		4.0BFA
<p>120V, 2W</p>	<p>120/240V, 3W</p>	<p>120V, 2W</p>

PARTS LIST			DESCRIPTION	
REF	DES	PART NO.	QTY	
A1	300-2907	D	1	CONTROL ASSY (-OI)
ALL PART NOS LISTED BELOW ARE REF ONLY				
B1	312-0050	A	1	BATTERY - 12V
C1	312-0050	P	2	RECTIFIER (BATT. CHARGING)
E1	148-1542	1	1	CHOKE - ONAN
E2	148-1542	2	1	CHOKE - PLUS
E3	148-1542	3	1	FUEL PUMP
E4	148-1542	4	1	OR FUEL SOLENOID
F1	321-0175	P	1	FUSE HOLDER
F2	321-0148	P	1	FUSE - 10 AMP 32V
G1	307-1676	A	1	START SOLENOID
H1	307-1676	P	1	RELAY - CRANK IGNITION
H2	307-1676	P	1	RELAY - RUN IGNITION
H3	307-1676	P	1	RELAY - 100 AMP 32V
H4	307-1676	P	1	RELAY - CHARGE
H5	307-1676	P	1	RELAY
K1	308-0383	A	1	FUEL SOLENOID (NAT 6AS 0847)
K2	308-0383	A	1	SWITCH - START STOP
K3	308-0383	A	1	SWITCH - BURNER CAP ASSY
K4	308-0383	A	1	SWITCH - LOW OIL PRESS
K5	308-0383	A	1	COIL - IGNITION
T1	332-0699	A	1	TERMINAL BLOCK
T2	332-0699	A	1	TERMINAL BLOCK
S1	332-0284	A	1	SWITCH-HIGH AIR TEMP
S2	332-0284	A	1	SWITCH-BT (ON-OFF)
W1	338-0078	C	1	WIRING HARNESS (CONN-REMOTE)
W2	338-0078	C	1	WIRING HARNESS (CABLE-REMOTE)

24560	D	I	ADDED 332-0284	W1	2	12-10-64
24390	C	I	ADDED EI, CHOKE	W2	2	5-18-64
24091	B	I	WAS 5D 120/240V 3PH	W3	2	5-18-64
23800	-	I	PROD FLSE	W4	2	5-18-64
ERNO.	37	NO.	1	W5	2	5-18-64



24560	D	I	ADDED 332-0284	W1	2	12-10-64
24390	C	I	ADDED EI, CHOKE	W2	2	5-18-64
24091	B	I	WAS 5D 120/240V 3PH	W3	2	5-18-64
23800	-	I	PROD FLSE	W4	2	5-18-64
ERNO.	37	NO.	1	W5	2	5-18-64



SEE NOTE 1

WIRING DIAGRAM

SCHEMATIC

REMOTE

BT1

BI

KI

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

AI-K4

AI-K3

AI-K2

AI-K1

AI-K0

AI-K-1

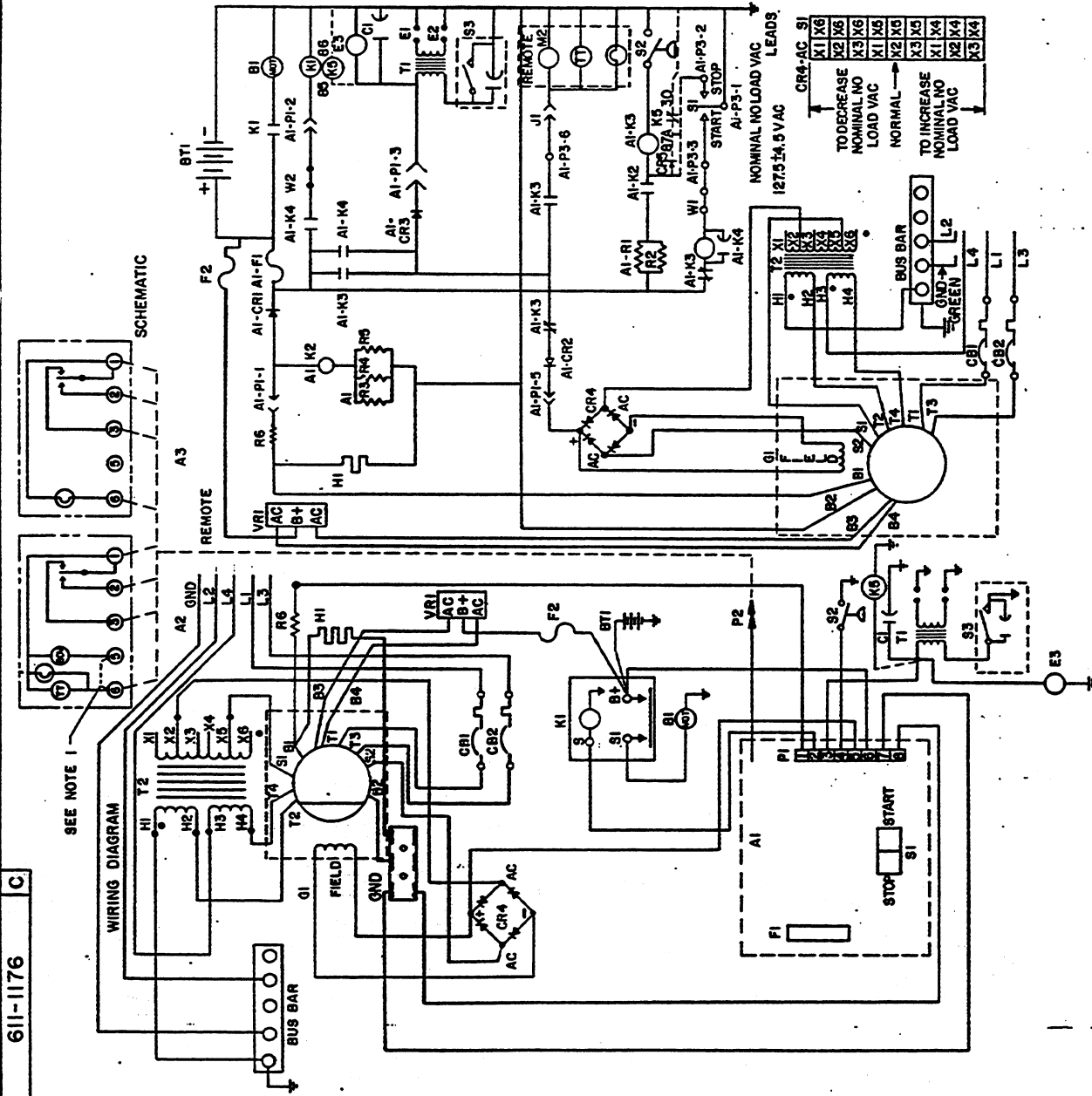
AI-K4

AI-K3

AI-K2

AI-K1

AI-K0



NOTES:

- ### 1. JUMPER IS NEEDED FOR BATTERY CONDITION METER

[illegible]

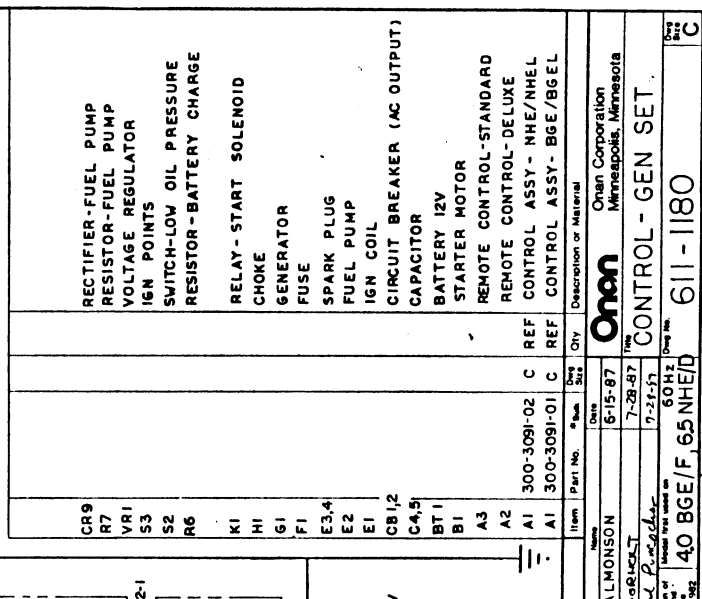
RECONNECTION CHART 1 PH. 4 WIRE

The chart shows three wiring diagrams for a 1 phase 4 wire system with terminals L1, L2, L3, and L4. The diagrams are labeled with voltage levels: 120V and 240V.

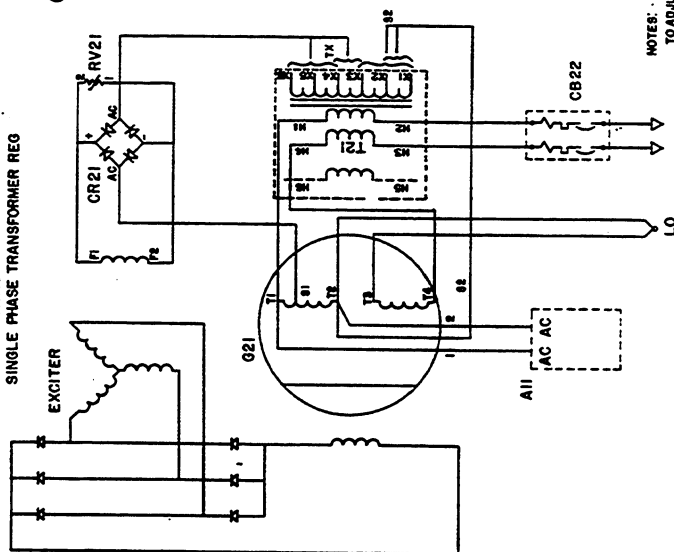
- Diagram 1 (Top):** Shows a 120V line between L1 and L2, and a 240V line between L1 and L4. L3 is connected to L2.
- Diagram 2 (Middle):** Shows a 120V line between L1 and L2, and a 240V line between L1 and L4. L3 is connected to L2.
- Diagram 3 (Bottom):** Shows a 120V line between L1 and L2, and a 240V line between L1 and L4. L3 is connected to L2.

*GROUNDED AC LEAD

[illegible]



REF. NO.	PART NO.	DESCRIPTION
1	CR21	AC-DC CONVERTER
2	CR22	AC-DC CONVERTER
3	CR23	AC-DC CONVERTER
4	CR24	AC-DC CONVERTER
5	CR25	AC-DC CONVERTER
6	CR26	AC-DC CONVERTER
7	CR27	AC-DC CONVERTER
8	CR28	AC-DC CONVERTER
9	CR29	AC-DC CONVERTER
10	CR30	AC-DC CONVERTER
11	CR31	AC-DC CONVERTER
12	CR32	AC-DC CONVERTER
13	CR33	AC-DC CONVERTER
14	CR34	AC-DC CONVERTER
15	CR35	AC-DC CONVERTER
16	CR36	AC-DC CONVERTER
17	CR37	AC-DC CONVERTER
18	CR38	AC-DC CONVERTER
19	CR39	AC-DC CONVERTER
20	CR40	AC-DC CONVERTER
21	CR41	AC-DC CONVERTER
22	CR42	AC-DC CONVERTER
23	CR43	AC-DC CONVERTER
24	CR44	AC-DC CONVERTER
25	CR45	AC-DC CONVERTER
26	CR46	AC-DC CONVERTER
27	CR47	AC-DC CONVERTER
28	CR48	AC-DC CONVERTER
29	CR49	AC-DC CONVERTER
30	CR50	AC-DC CONVERTER
31	CR51	AC-DC CONVERTER
32	CR52	AC-DC CONVERTER
33	CR53	AC-DC CONVERTER
34	CR54	AC-DC CONVERTER
35	CR55	AC-DC CONVERTER
36	CR56	AC-DC CONVERTER
37	CR57	AC-DC CONVERTER
38	CR58	AC-DC CONVERTER
39	CR59	AC-DC CONVERTER
40	CR60	AC-DC CONVERTER
41	CR61	AC-DC CONVERTER
42	CR62	AC-DC CONVERTER
43	CR63	AC-DC CONVERTER
44	CR64	AC-DC CONVERTER
45	CR65	AC-DC CONVERTER
46	CR66	AC-DC CONVERTER
47	CR67	AC-DC CONVERTER
48	CR68	AC-DC CONVERTER
49	CR69	AC-DC CONVERTER
50	CR70	AC-DC CONVERTER
51	CR71	AC-DC CONVERTER
52	CR72	AC-DC CONVERTER
53	CR73	AC-DC CONVERTER
54	CR74	AC-DC CONVERTER
55	CR75	AC-DC CONVERTER
56	CR76	AC-DC CONVERTER
57	CR77	AC-DC CONVERTER
58	CR78	AC-DC CONVERTER
59	CR79	AC-DC CONVERTER
60	CR80	AC-DC CONVERTER
61	CR81	AC-DC CONVERTER
62	CR82	AC-DC CONVERTER
63	CR83	AC-DC CONVERTER
64	CR84	AC-DC CONVERTER
65	CR85	AC-DC CONVERTER
66	CR86	AC-DC CONVERTER
67	CR87	AC-DC CONVERTER
68	CR88	AC-DC CONVERTER
69	CR89	AC-DC CONVERTER
70	CR90	AC-DC CONVERTER
71	CR91	AC-DC CONVERTER
72	CR92	AC-DC CONVERTER
73	CR93	AC-DC CONVERTER
74	CR94	AC-DC CONVERTER
75	CR95	AC-DC CONVERTER
76	CR96	AC-DC CONVERTER
77	CR97	AC-DC CONVERTER
78	CR98	AC-DC CONVERTER
79	CR99	AC-DC CONVERTER
80	CR100	AC-DC CONVERTER
81	CR101	AC-DC CONVERTER
82	CR102	AC-DC CONVERTER
83	CR103	AC-DC CONVERTER
84	CR104	AC-DC CONVERTER
85	CR105	AC-DC CONVERTER
86	CR106	AC-DC CONVERTER
87	CR107	AC-DC CONVERTER
88	CR108	AC-DC CONVERTER
89	CR109	AC-DC CONVERTER
90	CR110	AC-DC CONVERTER
91	CR111	AC-DC CONVERTER
92	CR112	AC-DC CONVERTER
93	CR113	AC-DC CONVERTER
94	CR114	AC-DC CONVERTER
95	CR115	AC-DC CONVERTER
96	CR116	AC-DC CONVERTER
97	CR117	AC-DC CONVERTER
98	CR118	AC-DC CONVERTER
99	CR119	AC-DC CONVERTER
100	CR120	AC-DC CONVERTER

AC SCHEMATIC
SINGLE PHASE TRANSFORMER REG

NOTES:
TO ADJUST OUTPUT VOLTAGE, MOVE TAPS ON T21 ACCORDING TO TABLES.
IN ALL VOLTAGE CONNECTIONS (BOARDING), LEAVE T1 AND T4 CONNECTED TO H1 AND H4 RESPECTIVELY.

2. FOR 60Hz: USE S2 LEAD (FROM GEN) ON TAPS X1-2 (14 TAPS). USE TX LEAD ON TAPS X3-4.

3. FOR 60Hz: USE S2 LEAD (FROM GEN) ON TAPS X1-3 (16 TAPS). USE TX LEAD ON TAPS X4-6.

4. FOR 107/250V AND 107V CONNECT H2 TO H6.

5. FOR 107/250V AND 107V CONNECT H2 TO H6.

6. FOR 107/250V AND 107V CONNECT H2 TO H6.

7. FOR 107/250V AND 107V CONNECT H2 TO H6.

8. FOR 107/250V AND 107V CONNECT H2 TO H6.

9. FOR 107/250V AND 107V CONNECT H2 TO H6.

10. FOR 107/250V AND 107V CONNECT H2 TO H6.

11. FOR 107/250V AND 107V CONNECT H2 TO H6.

12. FOR 107/250V AND 107V CONNECT H2 TO H6.

13. FOR 107/250V AND 107V CONNECT H2 TO H6.

14. FOR 107/250V AND 107V CONNECT H2 TO H6.

15. FOR 107/250V AND 107V CONNECT H2 TO H6.

16. FOR 107/250V AND 107V CONNECT H2 TO H6.

17. FOR 107/250V AND 107V CONNECT H2 TO H6.

18. FOR 107/250V AND 107V CONNECT H2 TO H6.

19. FOR 107/250V AND 107V CONNECT H2 TO H6.

20. FOR 107/250V AND 107V CONNECT H2 TO H6.

21. FOR 107/250V AND 107V CONNECT H2 TO H6.

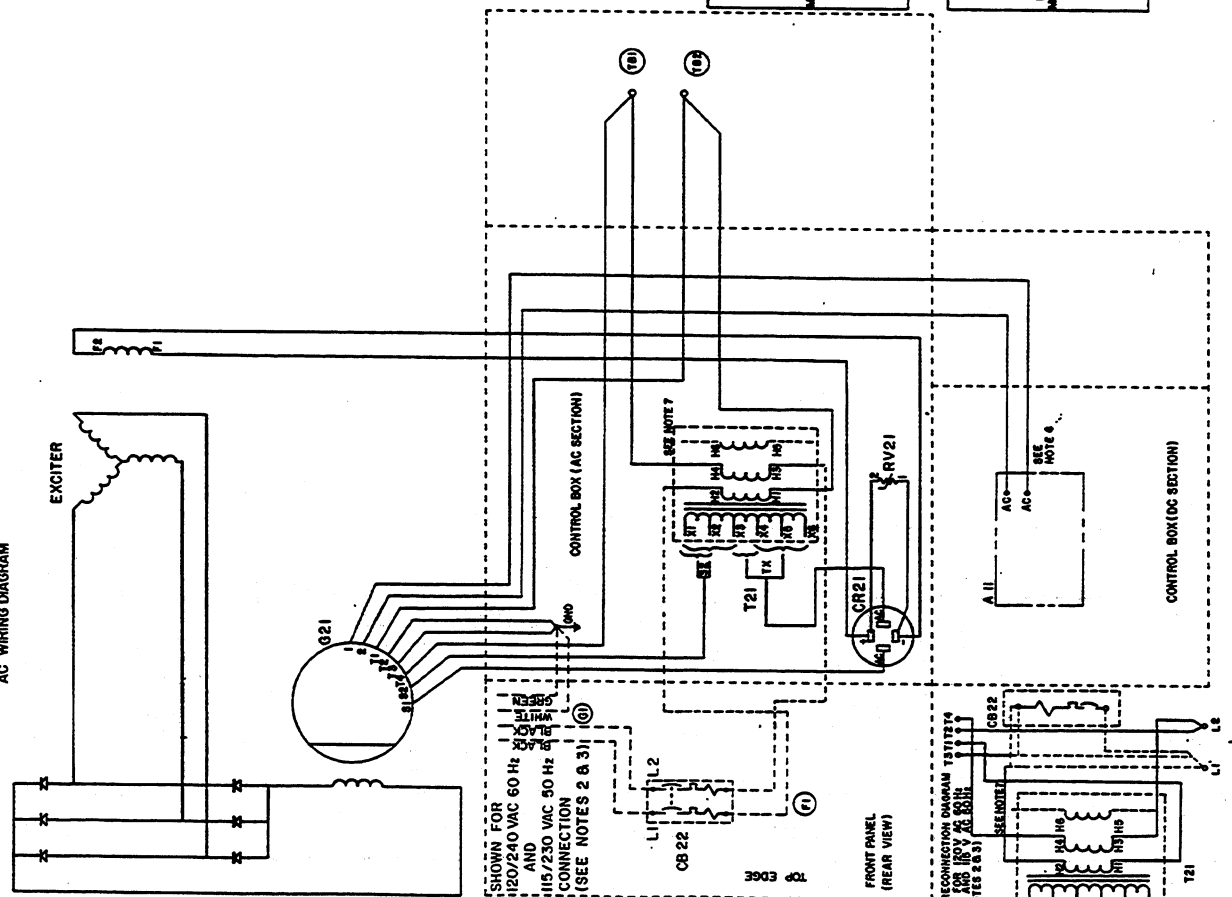
22. FOR 107/250V AND 107V CONNECT H2 TO H6.

23. FOR 107/250V AND 107V CONNECT H2 TO H6.

24. FOR 107/250V AND 107V CONNECT H2 TO H6.

25. FOR 107/250V AND 107V CONNECT H2 TO H6.

AC WIRING DIAGRAM

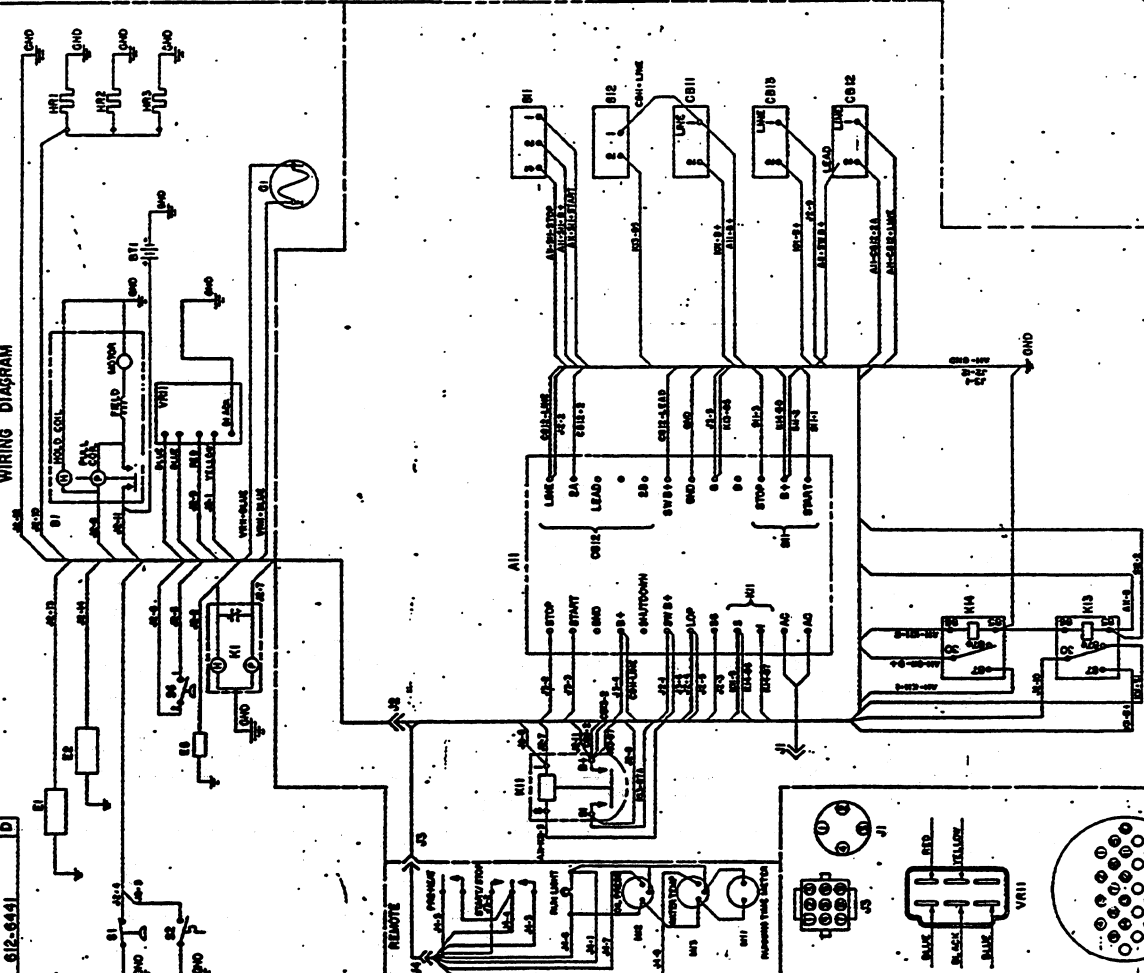
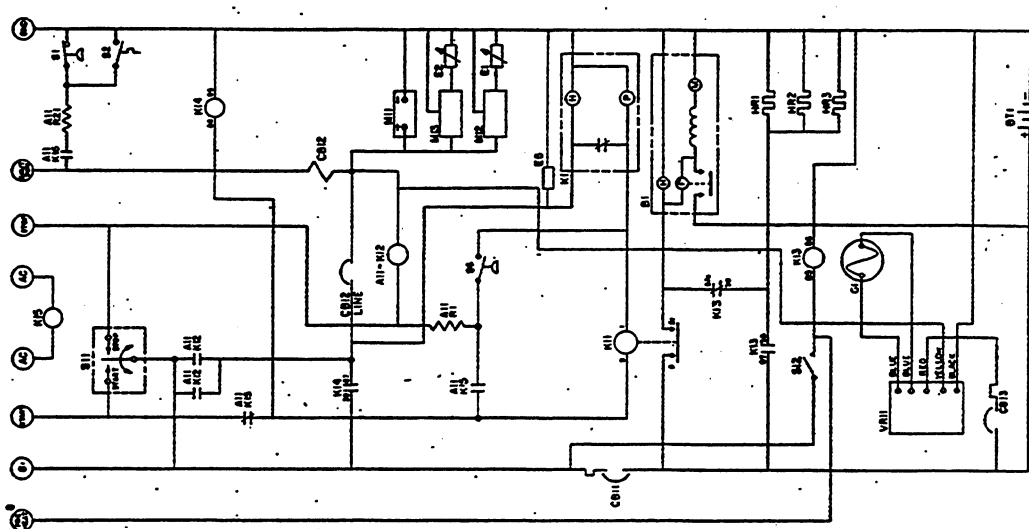


SHOWN FOR
120/240 VAC 60 Hz
AND
115/230 VAC 50 Hz
CONNECTION
(SEE NOTES 2 & 3)

RECONNECTION DIAGRAM T21/T24
X25 107V 250V
(NOTES 2 & 3)

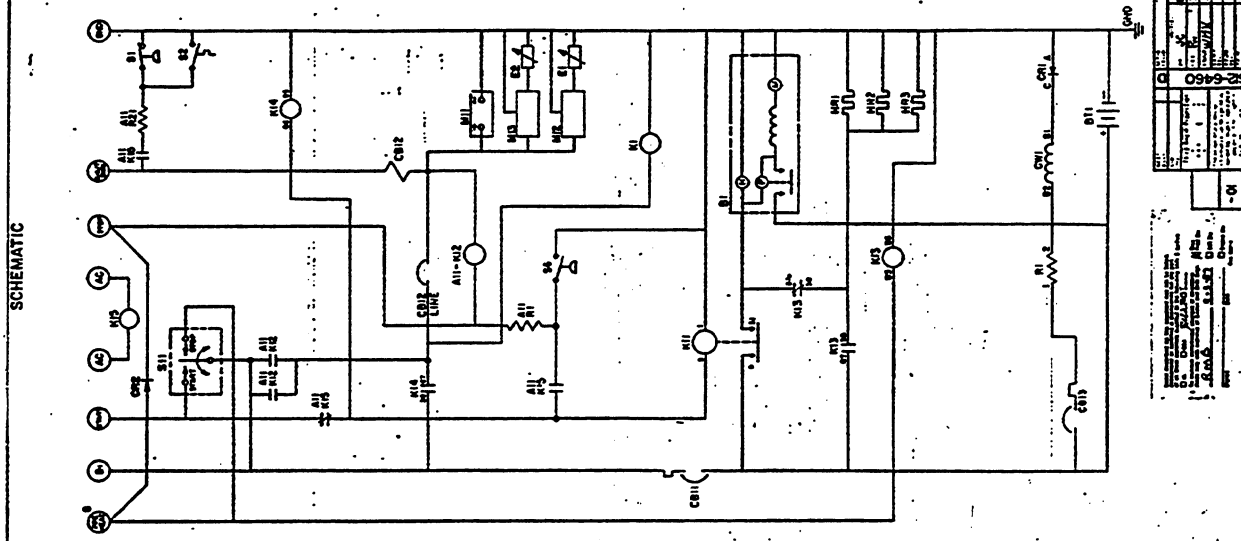
REF. NO.	PART NO.	DESCRIPTION
1	CR21	AC-DC CONVERTER
2	CR22	AC-DC CONVERTER
3	CR23	AC-DC CONVERTER
4	CR24	AC-DC CONVERTER
5	CR25	AC-DC CONVERTER
6	CR26	AC-DC CONVERTER
7	CR27	AC-DC CONVERTER
8	CR28	AC-DC CONVERTER
9	CR29	AC-DC CONVERTER
10	CR30	AC-DC CONVERTER
11	CR31	AC-DC CONVERTER
12	CR32	AC-DC CONVERTER
13	CR33	AC-DC CONVERTER
14	CR34	AC-DC CONVERTER
15	CR35	AC-DC CONVERTER
16	CR36	AC-DC CONVERTER
17	CR37	AC-DC CONVERTER
18	CR38	AC-DC CONVERTER
19	CR39	AC-DC CONVERTER
20	CR40	AC-DC CONVERTER
21	CR41	AC-DC CONVERTER
22	CR42	AC-DC CONVERTER
23	CR43	AC-DC CONVERTER
24	CR44	AC-DC CONVERTER
25	CR45	AC-DC CONVERTER
26	CR46	AC-DC CONVERTER
27	CR47	AC-DC CONVERTER
28	CR48	AC-DC CONVERTER
29	CR49	AC-DC CONVERTER
30	CR50	AC-DC CONVERTER
31	CR51	AC-DC CONVERTER
32	CR52	AC-DC CONVERTER
33	CR53	AC-DC CONVERTER
34	CR54	AC-DC CONVERTER
35	CR55	AC-DC CONVERTER
36	CR56	AC-DC CONVERTER
37	CR57	AC-DC CONVERTER
38	CR58	AC-DC CONVERTER
39	CR59	AC-DC CONVERTER
40	CR60	AC-DC CONVERTER
41	CR61	AC-DC CONVERTER
42	CR62	AC-DC CONVERTER
43	CR63	AC-DC CONVERTER
44	CR64	AC-DC CONVERTER
45	CR65	AC-DC CONVERTER
46	CR66	AC-DC CONVERTER
47	CR67	AC-DC CONVERTER
48	CR68	AC-DC CONVERTER
49	CR69	AC-DC CONVERTER
50	CR70	AC-DC CONVERTER
51	CR71	AC-DC CONVERTER
52	CR72	AC-DC CONVERTER
53	CR73	AC-DC CONVERTER
54	CR74	AC-DC CONVERTER
55	CR75	AC-DC CONVERTER
56	CR76	AC-DC CONVERTER
57	CR77	AC-DC CONVERTER
58	CR78	AC-DC CONVERTER
59	CR79	AC-DC CONVERTER
60	CR80	AC-DC CONVERTER
61	CR81	AC-DC CONVERTER
62	CR82	AC-DC CONVERTER
63	CR83	AC-DC CONVERTER
64	CR84	AC-DC CONVERTER
65	CR85	AC-DC CONVERTER
66	CR86	AC-DC CONVERTER
67	CR87	AC-DC CONVERTER
68	CR88	AC-DC CONVERTER
69	CR89	AC-DC CONVERTER
70	CR90	AC-DC CONVERTER
71	CR91	AC-DC CONVERTER
72	CR92	AC-DC CONVERTER
73	CR93	AC-DC CONVERTER
74	CR94	AC-DC CONVERTER
75	CR95	AC-DC CONVERTER
76	CR96	AC-DC CONVERTER
77	CR97	AC-DC CONVERTER
78	CR98	AC-DC CONVERTER
79	CR99	AC-DC CONVERTER
80	CR100	AC-DC CONVERTER
81	CR101	AC-DC CONVERTER
82	CR102	AC-DC CONVERTER
83	CR103	AC-DC CONVERTER
84	CR104	AC-DC CONVERTER
85	CR105	AC-DC CONVERTER
86	CR106	AC-DC CONVERTER
87	CR107	AC-DC CONVERTER
88	CR108	AC-DC CONVERTER
89	CR109	AC-DC CONVERTER
90	CR110	AC-DC CONVERTER
91	CR111	AC-DC CONVERTER
92	CR112	AC-DC CONVERTER
93	CR113	AC-DC CONVERTER
94	CR114	AC-DC CONVERTER
95	CR115	AC-DC CONVERTER
96	CR116	AC-DC CONVERTER
97	CR117	AC-DC CONVERTER
98	CR118	AC-DC CONVERTER
99	CR119	AC-DC CONVERTER
100	CR120	AC-DC CONVERTER

612-6184 of 1 D



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	5
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---



[illegible]



Onan Corporation
1400 73rd Avenue N.E.
Minneapolis, MN 55432
1-800-888-ONAN
612-574-5000 International Use
Telex: 275477
Fax: 612-574-8087

Onan is a registered trademark of Onan Corporation